

CONSOLIDATED CONSULTING SERVICES

Staff Report

SUBJECT: Wastewater Update

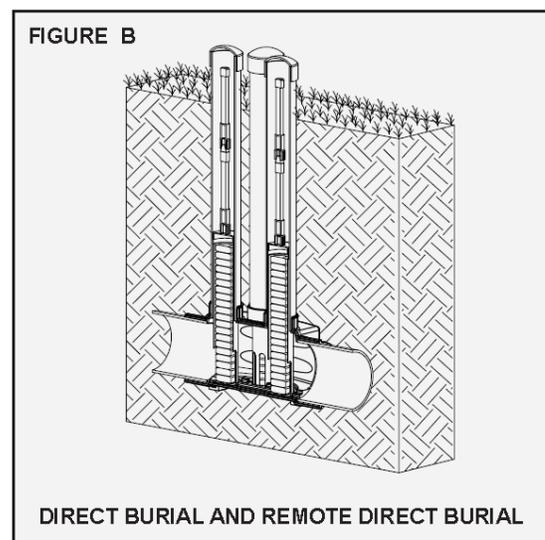
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WWTP Construction

As noted last month most of the Ridgway Valley (RVE) work is shut down for the winter. Tiger has continued to work on the electrical and Triple Z, the builders have been expected to be on site to finish the shell since mid-November. Last week, RVE said that Triple Z was waiting to start work on the interior until they have a hard delivery date for the overhead doors. Hopefully will have an update from RVE by the Trustee meeting on the 7th.

At some point in November, staff noticed the effluent bacteria levels were creeping up. They adjusted the chlorine levels to try to better disinfect, but the bacteria levels did not come down enough. We did a little investigation and noticed that there was quite a bit of sludge built up in the chlorine contact basin. Since the sludge would be both take up chlorine and reduce the time the chlorine had to kill the bacteria, we contracted with a sludge hauler to remove and dispose of the sludge. This cost about \$5000.00 and was an unbudgeted expense. Testing at the end of December after sludge removal still had high bacteria counts. The testing the labs have so far simply told us that the bacteria were too numerous to count. We plan to sample again this week asking the lab to dilute the samples so that we get real numbers and can see what we need to be removing. We are continuing to look for why bacteria removal rates have dropped and are not sure whether its just because we treating with limited capacity or if something else is problematic. Since the plant has both a chlorine and bacteria limit, if we add more chlorine, we will need to remove some of the chlorine before discharging to the river. To meet our limits right now, we are proposing to add a tablet dechlorinator to the discharge pipe at a cost about \$1000 and staff time to install it. A graphic of the equipment is at right.



We reached an agreement with the Cummins for the generator set. We should have a signed agreement this week and they are already working on the submittals.

The Aerzen blowers arrived at the Aerzen facilities in Pennsylvania on 12/19. That was one year to the day from when we provided them with the purchase agreement. The blowers arrived unharmed, but did not have all the UL listed parts as the folks in PA had expected so they had to order more parts. We spoke with the Aerzen contact and they anticipate it will be a few weeks before they have everything they need. Given that RVE no longer has equipment on site we agreed that blowers would be completed in a timely manner, but that Aerzen would keep the blowers in PA until at least early March when we can tell with RVE will have equipment back on site.

We would be glad to address any questions about the project at the meeting on the 7th.

Thanks