

## Outagamie County Leachate Update

HOV staff is currently and almost daily in contact with Outagamie County and working towards a resolution with the discharge of Leachate from the Outagamie County Landfill. After reaching higher than normal amounts of ammonia in the treatment process, staff at Heart of the Valley along with the Village of Little Chute & Badger Labs, decided that we meet with management at the Landfill to determine and learn more about their process and what takes place in the landfill as well as determining each outfall. On 8/23/17 we determined there are 3 outfalls from the Landfill that discharge into the sanitary sewer. On 8/28/17 HOV contracted with Badger Labs and they set up 3 flow meters and 2 samplers in (as we call) North, South and Southeast, manholes. We're currently monitoring the flow for 30 days and sampling for 2 weeks to determine that in fact the daily gallons are consistent with the landfill totals. The test results of leachate range from 2200 ppm Ammonia to 1100 ppm dependent on rain. According to the flow charts and the testing, it takes approximately a day or less to see the higher leachate flows after a rain event and the dilution is significant.

Heart of the Valley is requesting that the landfill spread out the pumping cycles to be consistent and not deliver 2 or 3 hour slug loads. We're still having discussions about how we can come to a reasonable solution, with either a VFD drive, or suggesting that the "float set points" are lowered to shorten the pump run time. Ideally 15-minute run times every hour would dilute and spread the ammonia concentration out to levels which would not be detrimental to the treatment plant.

Heart of the Valley Staff is on the fast track to get this under control and we are working diligently to resolve this problem. The information we're currently collecting will give us a better understanding of what exactly is being delivered to HOV in terms of gallons and strengths of the leachate, and we're getting a better understanding of how much leachate we're able to process in the summer months with the lower influent flows.