



June 4, 2012

To: All Waste Hauling Companies

Re: Aeration Requirements on Sewage Holding Tanks Prior to Transporting

To Whom It May Concern:

This Memo is regarding the matter of acceptable and unacceptable sewage that we will accept at the headworks of the wastewater facility from all trucks.

We will not accept any sewage that is black in color. We will also not accept any sewage that has a ph value of less than 6 or higher than 9.

In order to meet these parameters, there is a simple solution that can be implemented in the field that will resolve this issue. This solution is a requirement of all our clients. It is simply to aerate the holding tanks that the trucks are taking the sewage from, on a continuous basis, to insure that the sewage stays fresh and does not become septic.

The best way to minimize the amount of air that one has to produce to accomplish this is to use a fine defused air bubble versus an open ended type air line that will cause a large rolling and splashing effect. An open type air line or a large coarse air bubble will take more air in order to obtain and hold a high enough dissolved oxygen level to keep the sewage fresh and aerobic. The more air you produce, the larger the air producer has to be and the more energy it will take to do the job.

An economic way to accomplish this is to simply purchase soaker hoses from Lowes or like store. These soaker hoses produce a perfect fine coarse bubble that works great. These soaker hoses are very inexpensive and can easily be replaced if needed. The best method is to lay the soaker hose in the center of a 10 to 20-foot piece of 1" angle iron or something similar. Use plastic wire ties to secure it to the angle iron. Install it in the holding tank in such a way that it lays on the bottom and long ways of the tank. The optimum way is to have the soaker hose laying the full length of the tank so that the entire tank is aerated.

When it comes to producing the air, you can use a positive displacement blower and have it feed all the tanks or you can use smaller individual aerators for each holding tank. You can find small pond aerators that work on 110volt power and simply plug them in. There are several different types of inexpensive aerators that can be used.

However you decide to accomplish aeration in your holding tanks is acceptable to us as long as it keeps the sewage fresh and non-anaerobic.

It is imperative that these tanks be aerated 24 hours each day. We do not want to turn away anyone who needs to dispose of their waste, however we have no choice. We have to keep the plant in compliance for everyone.

If anyone needs assistance or instructions on this issue, please feel free to contact me anytime.

Respectfully Submitted

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