

Lehigh County Authority Wastewater Plant

Waste Hauler Program – TPH & Molybdenum Limits

Overview:

The Lehigh County Authority Wastewater Plant has established a limit on the amount of Total Petroleum Hydrocarbon (TPH) and Molybdenum that it can receive through the Waste Hauler Program. TPH and Molybdenum present problems for Plant processes which affect treatment effectiveness. In an attempt to find an equitable method of determining which Generator Sites can be discharged into this Facility, we have set forth the following criteria as a measure of Site acceptability.

This limit will be used in the evaluation of all Sites currently accepted for disposal and on any future request received from Haulers for disposal of liquid waste. In the event that a present Site is found to be in violation of the limit, the Waste Hauler bringing in the Site in question will be notified by Plant Personnel. A suspension of discharge privileges placed upon the individual Site will remain in effect until such time as the Site Generator can demonstrate that they have either removed or reduced the TPH and/or Molybdenum from their waste stream to a level below the established limit.

TPH Limits:

1. A TPH limit of 100 mg/l will be set for all sites that send liquid waste to this facility for disposal.
2. If a Hauler has a site that exceeds this limit, the Hauler has the option to have a TOC (Total Organic Carbon) scan done on the waste at the Hauler's expense.
3. This TOC scan will be examined by Plant personnel to determine the source of the TPH result and the Hauler will be notified if the limit can be exceeded.

Molybdenum Limits:

1. No individual truckload brought to this facility for disposal can contain more than 0.08 pounds of molybdenum.
2. The 0.08 pounds per truckload limit set above equates to the following concentration levels for each truck volume shown below:

3500 gals. per load = 2.70 mg/l

4500 gals. per load = 2.13 mg/l

5000 gals. per load = 1.92 mg/l

6000 gals. per load = 1.60 mg/l

6500 gals. per load = 1.48 mg/l

Questions concerning this TPH and Molybdenum limits should be addressed to the Waste Hauler Program Administrator (610-395-9782).
