WASTECH
CONTROLS & ENGINEERING, INC.

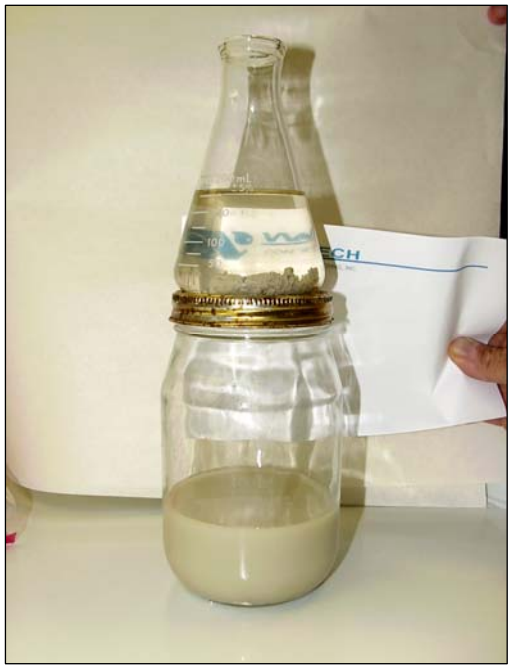
“Hauling charges are killing us. What can we do?”

The customer has zinc, nickel, copper, suspended solids, etc. in his wastewater. His waste volume is increasing, and they are exceeding their discharge limits. The solution is a Wastech system. It is reliable, cost effective, forgiving of changes in chemistry, easy to maintain, and produces a non-hazardous sludge.

Using a revolutionary new MetFloc™ chemical available in several blends, through coagulation and flocculation, our one-step system will separate emulsified oils, suspended and dissolved solids, and heavy metals from wastewater.

The Wastech solution for zero discharge may include components such as ion exchange, reverse osmosis, ultra filtration and advanced oxidation although the new MetFloc chemical treatment can be much more economical without the huge capital investment and installation costs. MetFloc is the only reasonable option for small waste generators. Now using semiautomatic equipment, heavy metal contaminated wastewater can be treated and reused or discharged directly into the sewer in small batches. The sludge generated will often pass the TCLP test.

The packaged system is skid mounted and has a small footprint. The system can be batch or continuous, automatic or manual, PLC controlled if needed, and designed with bag filters or a filter bed.



This liquid (shown in the lower glass jar) came from the customer’s metal deburring operation. The liquid is cloudy, with surfactant visible and suspended solids including ceramics and metals. The beaker contains wastewater cleaned with one pH adjustment using MetFloc chemistry. A solid floc formed immediately, and the upper layer of water is crystal clear.