

# WASTEWATER TREATMENT

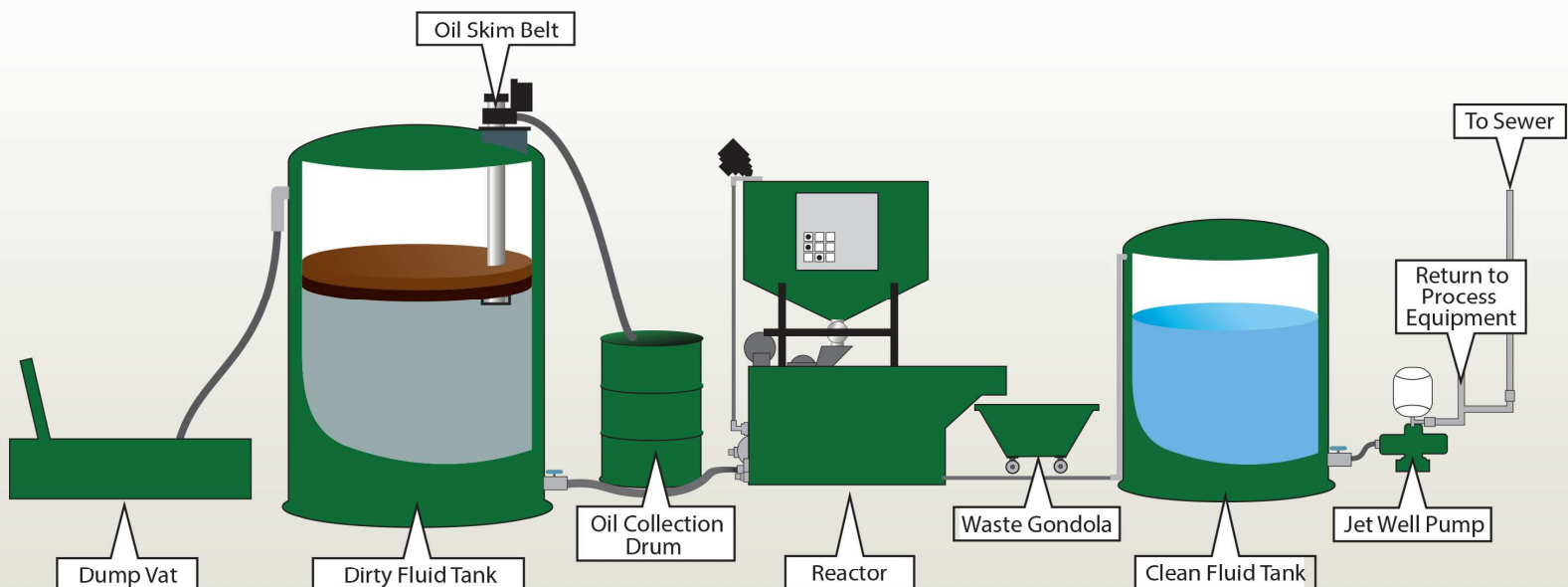


## SIMPLE, SAFE, AND COST EFFECTIVE

- Sophisticated yet user-friendly technology.
- Guaranteed to meet local sewer discharge limits.
- Excellent choice for recycling.
- Clear advantages over ultra-filtration & evaporation.
- No hazardous by-products.
- Compact: typical dimensions are only 80" x 70"
- Batch Sizes of 65, 100, 200, 350, 500, 750 & 1000 Gallons. Batch cycle takes 30 minutes and requires only 10 minutes of low skilled attendance
- Very low maintenance: USIT offers a 3-year, 100% parts replacement warranty.
- Handles almost any aqueous based fluid, including metal plating, vibratory, equipment and parts washing, floor cleaning, metal working fluids, etc.



## TYPICAL RECYCLE / TREATMENT SYSTEM



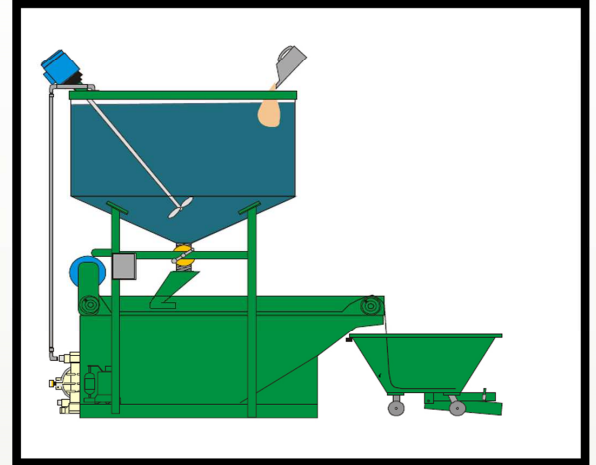
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# THE HEART OF THE “TURN KEY” SYSTEM

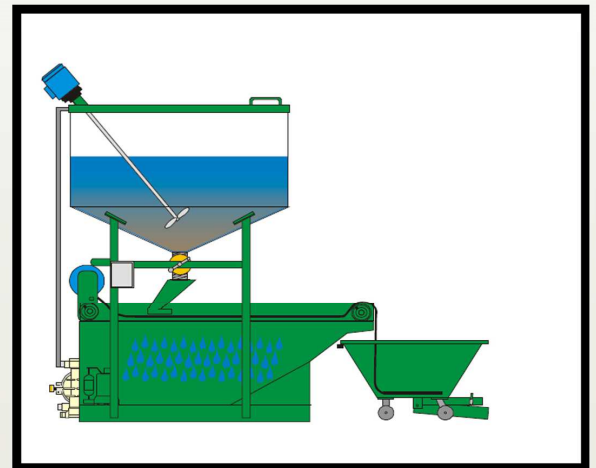
## STAGE ONE

The FT Unit is filled with effluent. The turbine mixer is started and DH Reactant is added. After (5) minutes of mixing a large floc will form. The mixer is then stopped and settling of the floc to the bottom of the tank occurs, usually in a couple of minutes.



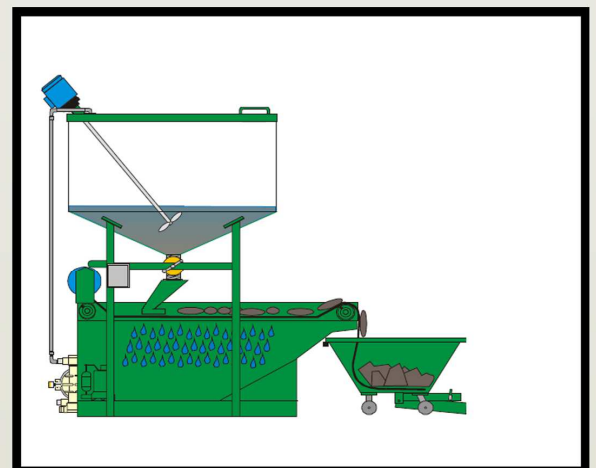
## STAGE TWO

Once the settling, or phasing, of the floc has occurred, draining and filtering begins. Clarified water from the upper area of the tank is drained first, followed by the floc (sludge). Filter media captures the solids, allowing the clarified water through to a clean compartment. A discharge pump automatically transfers the fluids to sewer or recycling vessel.



## STAGE THREE

An automated conveyor advances the filter media and sludge as needed. This usually requires only (5) feet of filter media. An included self-tipping sludge gondola captures the filter media and sludge for disposal. The sludge dries to a cake, without need of a filter press. The process is now complete. The water will pass local discharge limits, and the sludge will pass TCLP.



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