



Wet Waste Reception Facility

Services to the Wastewater Industry



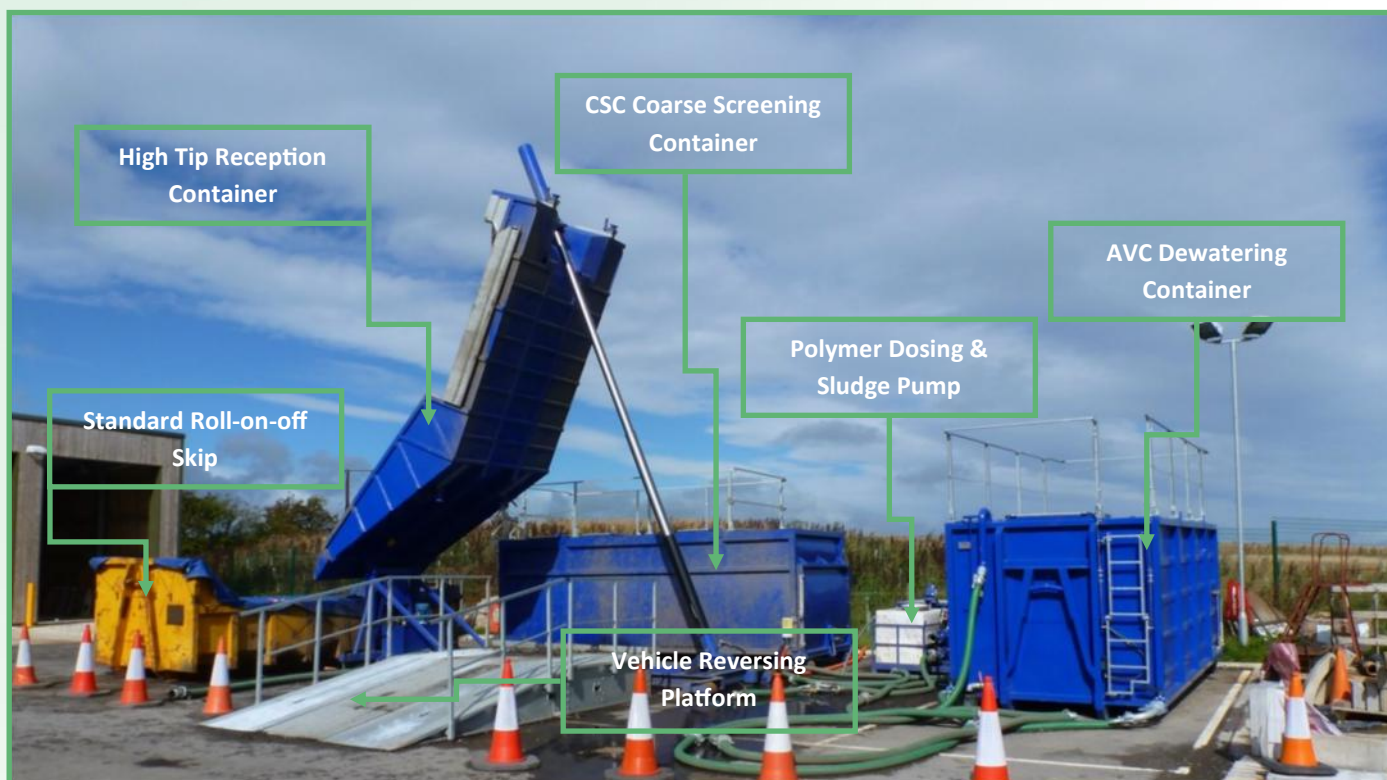
As a company, Dexter Watson recognise customers don't always want a bespoke solution. So as a basic package we offer the combination of several pieces of our equipment to create a portable facility, which can be easily transported between sites.

The Portable Wet Waste Reception Facility can be re-deployed in a matter of hours between customer sites; reducing waste haulage to a localised area, increasing productivity and maximising asset and operator efficiency.

Designed to handle a variety of waste streams and enabling the commonly found mix of crude debris and other discarded objects to be screened out. The screened sludge is then dewatered, separating the water and solid fractions. The dewatering process produces 80%* processed filtrate, this can be put to effluent or further cleaned; via the Dexter Watson Final Filtration Unit, for recycling and a free standing cake which can be disposed to landfill or other suitable outlets.

*as a common average

- A 24/7 facility at your disposal
- No more standing loads waiting to offload
- Savings of up to 75% on transport & fuel costs
- No gate reception time restrictions
- Higher productivity
- Savings of up to 80% on disposal
- **Increased profits**



The Wet Waste Reception Facility Composition

Stage 1: The Coarse Screening Container (CSC) or holding tank receives the pumpable waste and liquids from the vacuum tanker. This acts as both a holding tank and filters various sizes of debris from the sludge.

Stage 2: The High Tip Reception Container assisted by the Vehicle Reversing Platform, designed to allow the easy unloading of solids from vacuum tankers, sweepers and other vehicles with a low chassis clearance. The dirty liquid produced is decanted off by gravity and collected into a reception sump where a submersible pump fitted with a level control delivers the liquids back to the Coarse Screening Container and bulked up before further processing through the sludge dewatering equipment.

Stage 3: Using a polymer makeup & dosing unit the sludge is transferred from the CSC to the Dewatering Container which injects a suitable amount of polymer causing the sludge to separate into solid and water fractions, (flocculation).

Stage 4: The Dewatering Container accepts the flocculated sludge which holds back the solid fraction allowing a cake to form; the clean*¹ filtrate produced is decanted off through forward mounted valves and either delivered to sewer or harvested for further cleaning through the Dexter Watson Final Filtration unit which removes any harmful elements left in the filtrate ready for reuse.

Stage 5: As the units reach their relative capacities each unit can be uplifted by normal hook lift and transported for safe disposal. Both the Coarse Screening and Dewatering Containers feature a hydraulic actuating rear door locking mechanism allowing the rear door to be safely released from the front of the units.

*¹the term clean is relative to the input product, without additional specialist final filtration the filtrate should only be put to sewer or waste treatment.

Caring for the enviro



Facility Examples—its uses & benefits



Wet & gulley waste being received



The system allows for a safe way of collection and disposal of various waste streams



Safe and efficient disposal of waste products, the Filtrate water can be decanted to sewer, the Cake to landfill and when suitably drained the High Tip Container can be tipped into the Sealed Final Water Extraction Container ready to be taken dry to landfill.

onment, by design...



Ready to go, where and when you need it:

Talk to Dexter Watson about the complete package for your company, with competitive leasing and cap-ex pricing available.

The full Portable Wet Waste Facility Includes:

- Vehicle Reversing Platform
- High Tip Reception Container
- Coarse Screening Container or Holding Tank
- Polymer Dosing & Pumping Unit
- Sludge Dewatering Container
- Sealed 20yd Roll on-off Final Water Extraction Container
- All associated pipework & auxiliary equipment to operate the facility



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