



The Industrial Waste Professionals™

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Glossary of Terms

Vehicles

1. Semi Tractor / Tractor -

The power unit used to pull all of our trailers except our Industrial Cleaning utility trailers and skid steer trailers.



2. Straight Truck -

These trucks are a one piece unit that usually does not pull a trailer. They are configured as *box trucks*, *hi-vac* or *super suckers*.



3. Vacuum Tanker Trailer -

This is what we use for the majority of the work we do. Most of the vacuum trailers are stainless steel and have a volume capacity of



6000 gallons, although a usual legal (weight wise) load is ~5000 gallons.

4. Van Trailer –

Also called a box trailer or drum trailer here. This is your standard enclosed freight trailer that you see most being pulled by *semi tractors*. Our van body trailer all equipped with *lift gates*.



5. Roll Off Trailer – This is a frame trailer used for picking up, transporting and delivering *roll off boxes* and *vacuum boxes*.

6. Box Truck – Also known as a *straight truck*. This truck is a one piece unit (no trailer) with a van box. It is used for making *non bulk* pick ups and deliveries. These trucks are also utilized by the IC division. Our box trucks are equipped with *lift gates*.



7. Hi-Vac Trucks –

We have both *tractor trailer* and *straight truck* hi-vac units. *Dispatch* will decide which type of hi-vac will sent to a job. Hi-vac units are used for heavy sludgy *waste streams* where a greater *CFM* capability is needed.

8. Super Sucker –

These trucks are *straight trucks* that have the highest CFM capability. These units are usually used for dry material or hooked up to a *vac box*.



9. VacSimizer™

Our patent-pending VacSimizer® is a one-of-a-kind, state-of-the-art innovation that will transform the collection, transportation and dumping process for high solid liquids. The product of more than a decade of our own in-the-field research, the VacSimizer® is a light, maneuverable, powerful and easy-to-use vacuum system designed to provide the largest legal payload in the industry!



Brine Hauler

We maintain a fleet of Brine Haulers at our facility in New Castle, Pennsylvania that operate exclusively in the Marcellus Shale, hauling frac'd water from the natural gas wells to our state-of-the-art facility for treatment.

Equipment-

1. **Hose** – This is what is used by the *vacuum tankers*, *hi-vac* and *super suckers* to move the waste from the source to the truck. These hoses come routinely in 2”, 3”, 4” diameters and as long as 30 feet each. *Vacuum tankers* have at least 200’ on board. Some *hi-vac* and *super sucker* applications also use 6” diameter hose. For certain waste streams such as strong corrosives or high temperature (over 120 degrees) we use chemical hose which is heavier and has stainless steel fittings attached.



2. **Fittings** – These are usually aluminum or some times stainless steel adapters used for hooking *hoses* to *tanks* or other *hoses*. There are male to male, female to female, size converters for 3” to 2”, 4” to 3” and 6” to 4”. We also have male and female end caps for the *hoses* and *valves*.

3. **Drum / Barrel Wand**- This is a 2” diameter by around 3.5’ steel or pvc plastic pipe with a 2” or 3” fitting on one end. This is used to hook up to a *hose* and slide into a *bung hole* on a *drum* to pump the *drum* out.



4. **Stinger** – This is a light metal tube usually 3 or 4 inches in diameter



and 4 or 5 feet long with a *fitting* on one end. It is used to more easily pump out below ground *tanks* or *catch basins*.

5. **Tank** – A storage container for *bulk* liquids. The size varies from smaller, around 500 gal to very large 10,000 plus gallons.



6. **Tanker** – This is what we call our Vacuum trailers for short.



7. **Woods Coupler** – (aka. Biscuit) Used between the PTO pump and the Vacuum pump. A wear item to protect the PTO pump.

8. **Valve** – Used on *tankers* to control the flow of stop the flow of liquids. On our *tankers* valves not only control the flow of the loaded liquids, they also control the out going air (vacuum) or incoming air (pressure) in the *tanker*.



9. **Vacuum Pump** – This is the unit that creates the vacuum (suction) or pressure in the *tanker*.

10. **Blower** – This is the unit on the *hi-vac* and *super sucker* truck that generates the vacuum (suction), and is not able to produce pressure.



11. **Cubic Yard Box** – These are triple walled cardboard boxes that have a plastic liner and are set on a pallet. They are approved for both non-hazardous and hazardous waste.

12. **Tote** – a portable *bulk* storage container usually made of plastic, but can also be metal. We *pump* totes and also pick up the whole tote on a *non-bulk drum* pick up.



13. **Drum (Barrel)** – Drums are used for storing and transporting non bulk liquid and/or solid material. The drums come in different sizes and materials. They come commonly in 15, 30 and 55 gal sizes. We



also use 85 gal. over-pack drums to over-pack a leading 55 gal drum. The drums are made from steel or poly (plastic). They come in open head (the top comes off) or tight head or closed head (the top is one piece with the drum and does not come off).



14. **Pail** – Pails are either 5 or 6 gallon with a locking lid. We usually use these for *lab packs*.

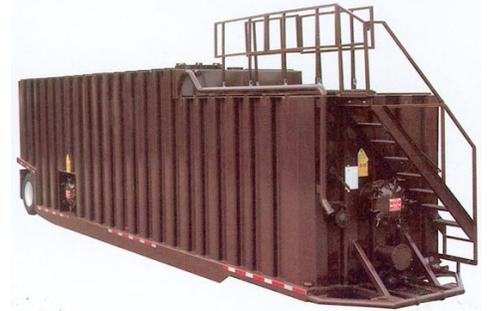


15. **Roll off box (Below Blue)** – These are *bulk* containers for solid materials. We have them in 20, 25 and 30 yard sizes mainly with a few other sizes available. These boxes are picked up and delivered with a *roll off trailer*. The boxes are also usually lined with a large plastic sheeting call a roll off box liner.



16. **Vacuum box** (Above Green) – This is a *bulk* container used for liquid material. They have a capacity of 5000 gallons but rarely move that much because of weight restrictions. They are picked up and delivered with a *roll off trailer* and filled with the aid of a *super sucker* or *hi-vac* truck. The liner for a *vacuum box* is called a bladder bag.

17. **Frac Tank** – A large portable tank usually rented by the customer or us from places like “Rain for Rent”. These tanks are between 18,000 to 21,000 gallons in capacity.



18. **Pressure Washer** – Used by the IC division for cleaning different surfaces, such as floors or *tank* interiors.

19. **Water Blaster** - A high powered *pressure washer* used for heavy or solid materials.



20. **Jetter** – This is a unit designed for cleaning out pipe, such as an underground sewer line.



It is a small high pressure hose with a special tip that direct a high pressure stream of water forward to cut the blockage in the pipe and 3 smaller jets of water shooting backwards from the tip to propel the tip forward while moving the debris back.



21. **Lift Gate** – This is mounted to the rear of the *van trailers* and *van bodied straight truck*. This allows us to lift *drums* from ground level into the trailer or truck.

22. **Drum dolly (drum truck)** a 2 or 4 wheeled hand truck/dolly used by a person to pick up and move full *drums*.



23. **Pallet Jack** – Used for manually moving pallets, *cubic yard boxes* and *totes* around when a fork truck is not an option.

24. **Bung** – The cap(s) used to seal up the bung holes in the top or side of a *drum*. There are two sizes, 3” and 1”.

25. **Bung wrench** – used to remove or secure the *bungs* into the *drums*.

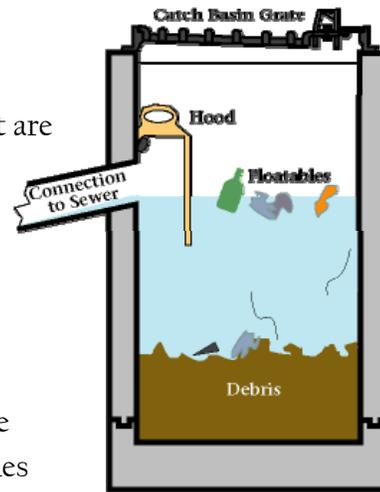


Terms-

1. **Bulk**- A container 119 gal or greater. For our purposes bulk pickups are usually liquids made by our *vacuum tankers* or *roll off* pick ups.
2. **Non Bulk** – Containers less than 119 gallons. For our purposes these are our *drum* pick ups (not pumping) or any thing we pick up with a *van truck / trailer*.
3. **Lab Pack** – This is a *drum* or *pail* that contains inner packages, such as a 5gal *pail* containing two 1gal jugs of some material and vermiculite (used to stabilize and hold the inner packages in place).

4. **Waste Streams** – This is what we call a single certain type of waste. A load of one type of waste is a single waste stream. A *tanker* with say 3 different stops (*generators*) of say coolant on the same *tanker* has 3 like or compatible waste streams. A *non bulk* pick up of *drums* can have many different waste streams on the same *van trailer* from one or different *generators*.
5. **Generator** – Some one who offers waste for transport and disposal (our customers).

6. **Catch Basin** – These are in ground pits or tanks that are usually pumped out by a *hi-vac truck*. You can for example find these under floor drains inside car repair shops or car washes along with many other locations.



7. **Dispatch (Operations)** – This is the department the schedules all the *bulk* and *non bulk* pick ups. *IC* handles their own scheduling.
8. **IC** – The Industrial Cleaning division of Advanced Waste Services.
9. **Confined Space** – This is an entry into a possible low oxygen enclosed area that is handled by our *IC* division. This requires 3 people to perform.