



Realizing the Value of your Septage Receiving Station

IMPORTANCE

The treatment strategy and regulations for septage is ever changing and the co-treatment process at sewage treatment plants is emerging as the preferred alternative to land application or land fill. Hauled septage that originates from sources like waste holding tanks and portable toilet facilities can typically be characterized as having high organics (BOD) & solids. It is important for a treatment plant to control and regulate what is entering the plant because septage can be up to 80 times more concentrated than typical wastewater. The Septage Receiving Station should be designed to simplify both PROCESS control and ADMINISTRATION.

The Septage Receiving Station is a standalone access point for waste haulers. The primary function is to log flow totals and help the wastewater plant efficiently monitor and treat what is coming into the system. Having the ability to track specific hauler activities and start ancillary equipment like screens and grinders upon transaction initiation is a key element to preventing plant upsets. The receiving station should also simplify the accounting tasks of invoicing and activity tracking for municipal administration departments.



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BENEFITS

A properly designed Septage Receiving Station benefits both the owner and the hauler.

OWNER BENEFITS

A receiving station should be considered an essential piece of equipment that protects plant assets and provides the basis of an information infrastructure that enables informed decision making and traceability. Real time site management is easily achieved with an advanced software suite that allows hauler lockouts, simplified account invoicing, and automated communication between the receiving station and plant headworks equipment.

HAULER BENEFITS

The implementation of a new Septage Receiving Station is commonly met with inertia from the septage haulers, especially if it is a change from a simple manual way bill procedure. Experience has proven that a properly operated receiving station is actually a great benefit to the haulers as well. Gone are the days of searching for plant personnel to signoff on the transfer as full 24hr self service site access can be given to approved haulers. Also, hauling companies can have a more accurate snapshot of how their business is operating and what their drivers are doing on a daily basis.

CHALLENGES

Inherent challenges arise when a plant allows hauled sewage trucks to unload at a treatment facility.

- How will access to the unloading station be controlled?
- Are there security measures in place to protect plant assets?
- What classification of waste will be permissible for unloading?
- Will there be traceability and accountability measures in place?
- How will the municipality be compensated for the use of their facility?

THE HOGWASH SOLUTION

The HogWash designated septage receiving station is used by municipalities for the purpose of processing, controlling, and logging hauled waste transactions.

TRACEABILITY and COMPLIANCE through:

- DATA CAPTURE
- OPERATIONS CONTROL
- ASSET MANAGEMENT
- RISK MANAGEMENT

The Hogwash provides the basis of a business information infrastructure that enables a municipality to make informed decisions. It is used as a transaction audit for activity at the site and increases operational efficiency and process performance.



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TECHNICAL FEATURES

HARDWARE

The standard HogWash system is supplied with an easy to use hauler access station that activates via swipe card, key fob, or RFID. The hauler hooks the truck up to a receiving line that includes an electromagnetic flow meter and an actuated valve that work together to initiate and complete transactions.

SOFTWARE

The HogWash is supplied with software that is designed to provide user friendly data management and efficiently organizes transaction data into a simple platform for billing. The Basic HogWash software option provides local data collection and transfer to a portable PC. The Premium HogWash software suite provides real time communication with the hauler station from a remote location and allows approved personnel to closely monitor and control station activity.

PREMIUM HOGWASH SOFTWARE ADVANTAGES

- Increased revenue collection
- Eliminates paper manifests
- Improved control of receipts
- Remote software package available for easy real time site management
- Reduced workload for administration staff with account management & invoicing
- Secure audit trail of all tanker discharges
- Reduced workload and potential time saving for haulers

TYPICAL LAYOUT

