



SEPTAGE RECEIVING FACILITY

2023

PRESENTED BY: PRESTON WHITLEY

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TOPICS

- ▶ **GOVERNMENT AGENCIES**
- ▶ **CHARLOTTE SEWER USE ORDINANCE**
- ▶ **BILLING**
- ▶ **RECEIVING STATION PROCEDURES**
- ▶ **ENFORCEMENT RESPONSE PLAN**

Government Agencies



Federal

► Environmental Protection Agency (EPA)

► 40 CFR 403 (Pretreatment)

- Enforce environmental laws
- Establishes regulation and standards that State and Municipal governments must comply.

Website: www.epa.gov

State

- ▶ **North Carolina Department of Environmental Quality (NCDEQ)**
- ▶ **15A NCAC 13 & 2H .0900 (Pretreatment and Disposal)**
 - Approval Authority
 - Complies with Federal (EPA) regulations

Website: www.deq.nc.gov

Municipal

- ▶ **Charlotte Water – Environmental Management Division**
- ▶ **System Protection**
- ▶ **Sewer Use Ordinance Chapter 23 (SUO 23-81)**
 - Controlling Authority
 - Complies with both (EPA) and (DEQ) regulations

Website: www.municode.com

Sewer Use Ordinance



SEWER USE ORDINANCE

- ▶ **State statutes do not require that a municipality provides a Septage Receiving Facility.**
- ▶ **The federal (EPA) and the state (DEQ) only require that a municipality have designated points if they choose to accept hauled waste.**
- ▶ **However, state statutes do not dictate how a municipality receives and or regulates the hauled waste.**
- ▶ **The state (DEQ) does issue the permit to, and regulates how the hauling firm operates.**

SEWER USE ORDINANCE (SUO)

- ▶ **The (SUO) is the local regulation created by the City of Charlotte and System Protection staff based on the model provided by the State (DEQ) to control/regulate discharges into the Publicly Owned Treatment Works (POTW).**
- ▶ **The (POTW) includes all aspects of the system to be defined as the pipes, pump/lift stations, and wastewater treatment plants.**
- ▶ **The (SUO) also gives the City the legal authority to control the hauled waste to prevent harm to the (POTW).**

(SUO) WEBSITE

- ▶ **In addition the (SUO) gives the City the authority to control/regulate the volume of pollutants and the pollutant concentration, in order to, protect the sewer system.**
- ▶ **The current version of the (SUO) was approved by City Council and adopted by the City in October of 2013.**
- ▶ **Any information on the Sewer Use Ordinance in it's entirety can be found on the www.municode.com website.**

(SUO) SECTION 23-77

► Pumped and Hauled Waste

Excess sludge from domestic septic tank systems, biological treatment plants with an NPDES permit, industrial waste, and wastewater from portable sanitary privies, including domestic or commercial waste.

(SUO) SECTION 23-79

► **Prohibited Discharge Standards**

- General; No user shall discharge or cause to be discharged into the (POTW) any pollutant or wastewater that will cause interference or pass through.

Solid or viscous pollutants in amounts that will cause obstruction to flow or interference.

Pump and hauled waste will only be discharged at designated points as set by Charlotte Water - SP in accordance with section 23-81.

SECTION 23-81

► Pump and Haul Procedure Requirement

- Requirement for state permit.
- Local control documents (LCD): Application, Agreement, Survey, and Authorization to discharge.
- Deposit and right to charge for service.
- Right to sample and charge for sampling.
- Make responsible for damages.
- Right to revoke discharge privileges and (LCD) document.

Authorization and Manifest

AUTHORIZATION TO DISCHARGE SEPTAGE TO A WASTEWATER TREATMENT FACILITY

I, Bill Gintert/ Environmental Compliance Manager
Charlotte Water-System Protection (CLTWater-SP)
4222 Westmont Drive Charlotte, NC 28217 (704)336-4407

Do hereby authorize _____
(Authorized Representative)

Of _____
(Septage Management Firm Name)

To dispose of septage _____, portable toilet waste _____

Note: 1) Grease trap waste is not allowed at the disposal sites.
2) Re-introducing partially treated liquid into a grease trap is not allowed in the CLTWater system.

From: Mecklenburg County and Surrounding Areas:
(County or other Geographic Area)

At the below named Wastewater Treatment Facility; Septage shall be discharged;

McAlpine Creek Wastewater Treatment Plant (MCWWTP) Septage Receiving Station

Between the hours of 7:30 a.m. until 11:30 a.m. and 12:00 p.m. until 3:45 p.m. Mon.-Fri.

Fee assessments and waste determinations will be required at the discretion of the wastewater treatment facility. The facility has the ultimate prerogative to deny discharges of any wastes to the incoming wastewater stream.

This authorization will be effective: January 1, 2017.
This authorization shall be valid until: December 31, 2017.

Signed: _____ Date: _____
(Environmental Compliance Manager)

Note: Falsification of this document by the septage management firm shall lead to permit revocation.



Station Operators Use:

Date: _____ Time: _____ Log#: _____

Haulers Card#: _____ SAMPLE: _____

Hauler's Info:

Company Name: _____

Address: _____

Driver/Phone: _____

Truck#/Capacity: _____ / _____

Load Info:

Person/Company Name: _____ Person/Company Name: _____

Address: _____ Address: _____

Phone: _____ Phone: _____

Source/Date/Time Pumped: _____ Source/Date/Time Pumped: _____

(Septic Tank, Portable Toilets, Holding Tank, Lift Station, Other.....)

(Use comments block for multiple addresses or attach trip sheet)

I have personally examined and am familiar with the information provided above and certify it to be true and accurate to the best of my knowledge. I further certify that no other sewage other than specified is contained in this load. I am aware that there are significant penalties for false information, including possible fines and or imprisonment.

Station Operators Signature: _____ Date: _____

Driver Signature: _____ Date: _____

Comments:

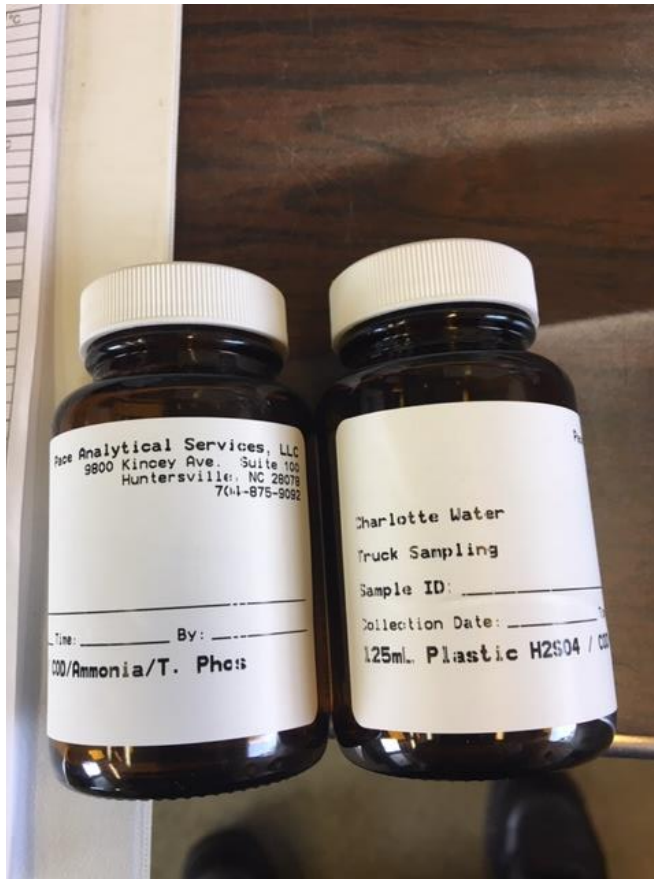
Charlotte Water 4222 Westmont Dr, Charlotte, NC 28217 charlottewater.org

Operated by the City of Charlotte

PROBLEM WITH HAULED WASTE

- ▶ **More concentrated than regular sewage. The more concentrated it is, the more expensive it is to treat.**
 - Domestic Limit of TSS: 200 mg/L
 - Average sampled septic TSS: > 20,000 mg/L
- ▶ **Activated sludge treatment plants are especially sensitive to large variances in influent concentrations and toxic loads.**

Sampling “Right to sample”



Designated Discharge Site: (SUO) 23-81

Septage Workstation



Truck Waste Facility



Billing



HOW DOES BILLING WORK???

- ▶ **The Billing cycle runs from the 16th of the month until the 15th of the following month. (I.E. July 16th to August 15th)**
- ▶ **The entry system records all activity and downloads in real time. The amount to be billed is immediately added and a running total of gallons and cost maintained.**
- ▶ **A detailed report is generated showing bay used, the times a truck entered, badge number, date, and time of entry.**
- ▶ **At the end of the billing cycle a summary is generated with dollar amounts to be charged to each company.**
- ▶ **The amount billed is then entered into the main billing system for the City of Charlotte and the invoice is mailed from the revenue office.**

Tracking

- ▶ **Hach-WIMS Software**

- ▶ **Tracking reports are generated in real time and are able to be selected for a billing period or even just a week or day**

BADGE READER



AMOUNT BILLED

► **Based on total amount of waste tank.**

As of July 1st 2023 \$0.05329 cents per gallon

*Starting January 2023 the price will finish to \$0.05329 cents per Gallon ,
\$53.29
for every thousand gallons*

AMOUNT BILLED

► **Based on total amount of waste tank.**

*Starting January 2024 the price will increase to \$0.06235 cents per Gallon ,
\$62.35
for every thousand gallons*

Receiving Station Procedures



USAGE PROCEDURES

- ▶ **Do not enter the facility without contacting Septage Station operator 30 minutes prior to arrival.**
- ▶ **Do not remove cones (Driver must wait until the station operator removes safety cones and retains paperwork)**
- ▶ **Present completed Manifest and entry badge to station operator.**
- ▶ **Once gates are up, enter off-load area and attach discharge hose.**
- ▶ **If a sample is to be taken, follow Charlotte Water - SP procedure.**
- ▶ **Complete the off-load and follow all clean-up procedures.**

Truck Requirements

- ▶ **Maintained Properly, must meet state requirements.**
- ▶ **All safety equipment must be intact and functioning.**
- ▶ **Truck hazard lights must be flashing when arriving onto McAlpine WWTP grounds.**
- ▶ **No excessive oil or fluid leaks.**
- ▶ **Brass Isolation Valves must be operational and Caps in place.**
- ▶ **Discharge hose must be available and no less than 6 feet in length for controlled off load.**

CLEAN UP



Spill Containment and Kit



Enforcement Response Plan



Enforcement Response Plan???

- ▶ **The United States Environmental Protection Agency (EPA) requires all Publicly Owned Treatment Works (POTWs) to adopt an Enforcement Response Plan (ERP) as part of the Industrial Pretreatment Program.**
- ▶ **The City of Charlotte has developed an enforcement response plan for Charlotte Water-System Protection (POTWs). This plan provides guidance for responding in an equitable manner for (POTW) user violations and noncompliance.**

Enforcement Response

- ▶ **The Enforcement Response Guide outlines the Tier (severity) of the violation and determines the charge of the civil penalty.**

TIERS OF ENFORCEMENT

- ▶ **Phone Notification (Possible Meeting)**
- ▶ **Notice of Deficiency (NOD)**
- ▶ **Notice of Violation (NOV)**
- ▶ **Plan for Compliance**
- ▶ **Revocation of Privileges**
- ▶ **Fine (Reimbursement for damages)**
- ▶ **Imprisonment**

CONTACT INFORMATION

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