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**INTRODUCTION**

- WW Terminology
- Sewer Connection Procedure

# COMMON WASTEWATER TERMINOLOGY

**Sewerage** – a system of sewers that conveys wastewater to a treatment or disposal point.

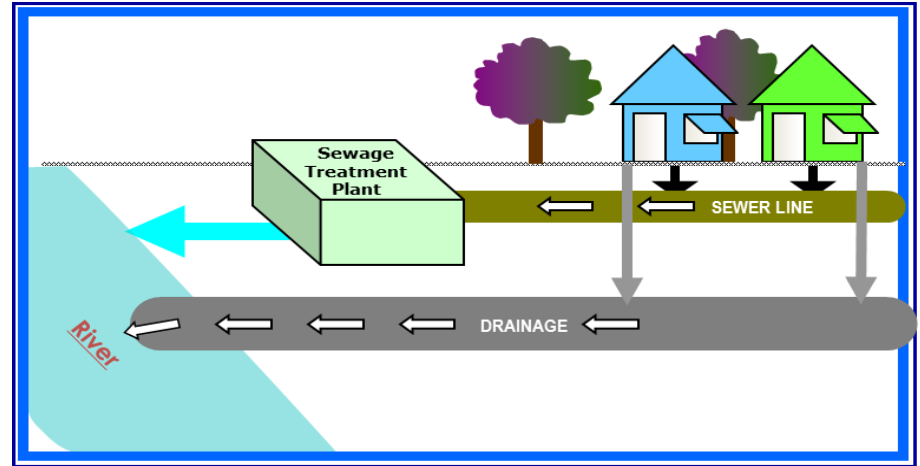
**Sewage** – mainly liquid waste containing some solids produced by humans, which typically consists of washing water, feces, urine, laundry wastes, and other materials that flows down drains and toilets from households and other buildings.

**Septage** – The Combination of scum, sludge, and liquid that accumulates in septic tanks

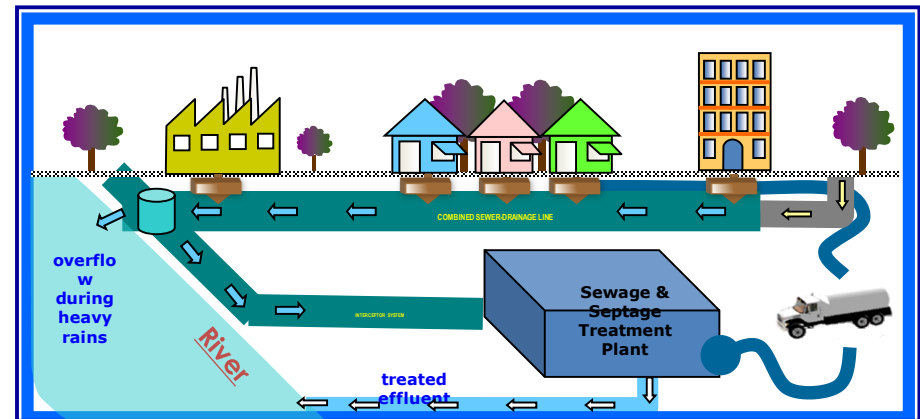
**Sludge** – the accumulated suspended solids of sewage deposited in tanks, beds or basins, mixed with water to form a semi-liquid mass.

**Scum** – the lighter fraction of sewage composed of fats, oils, and grease that floats.

**Separate Sewer System** – a sewer system that is designed to transport sewage only.



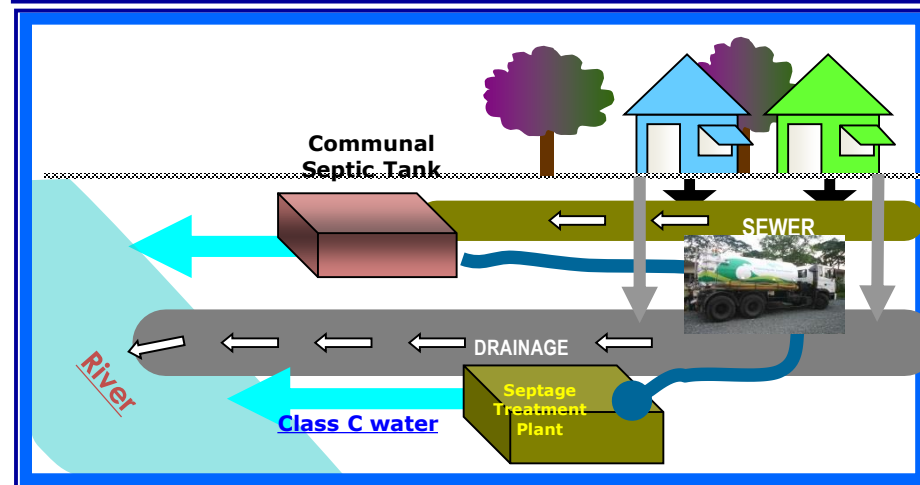
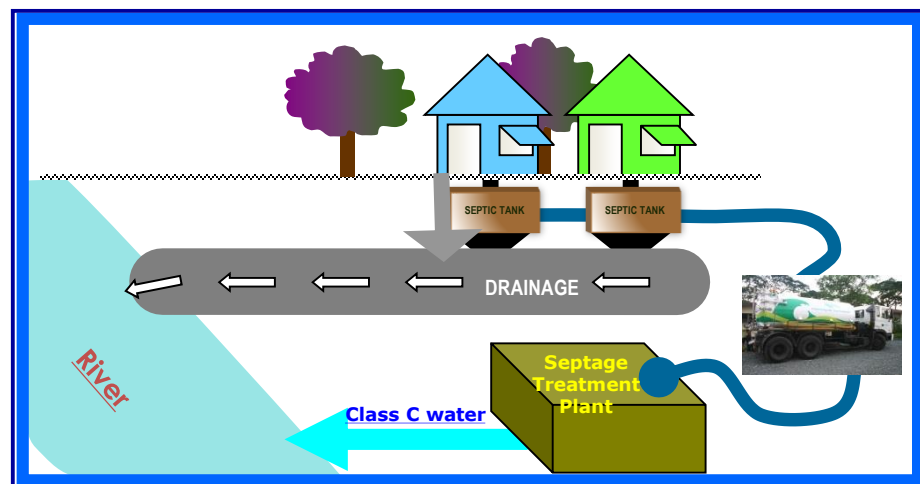
**Combined Sewer –drainage System** – a sewer system that made use of the drainage system and collects and treats outflow from the septic tanks. Sludge from the septic tanks are separately collected by vacuum tankers.



# Common Wastewater Terminology

💧 **Septic Tank System** - consists of a watertight tank that receives wastewater from the home plumbing system. It contains an anaerobic bacteria that grow best in oxygen-poor conditions. These bacteria decompose or mineralize solids into liquids and gases.

**Communal Septic Tank System** - consists of a large septic tank that collects wastewater from several households through sewer pipes/networks.



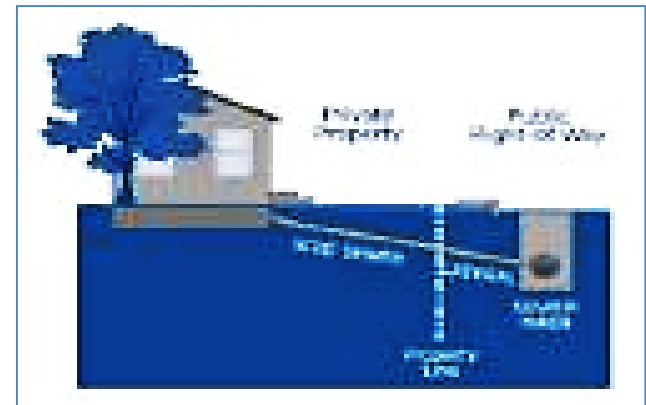
## Common Wastewater Terminology

- 💧 **Sewer Network** – a system conduits and appurtenances designed and constructed for the purpose of transmitting sewage from its sources to the respective treatment plants.
- 💧 **Lateral sewer** – is a common sewer with no tributary flow except from the house sewer.
- 💧 **Main sewerline** – collects all the flows from several sub - mains as well as laterals and house sewers. Usually 200 mm minimum in diameter.
- 💧 **SMH** – Sewer Manhole, an opening constructed in a sewer or any part of the plumbing system of sufficient size for a man to gain access thereto.(50 meters dist.every ,manhole)



## Common Wastewater Terminology

- **Outfall** – conduits that carry sewage from the lower end of collecting system
- **Lift Stations** – a pumping station that lift sewage to elevated portion of the sewer network until it reaches sewage treatment plant.
- **House sewer connection** – Connects the household sewer pipe to the sewer mainline usually 150 mm.

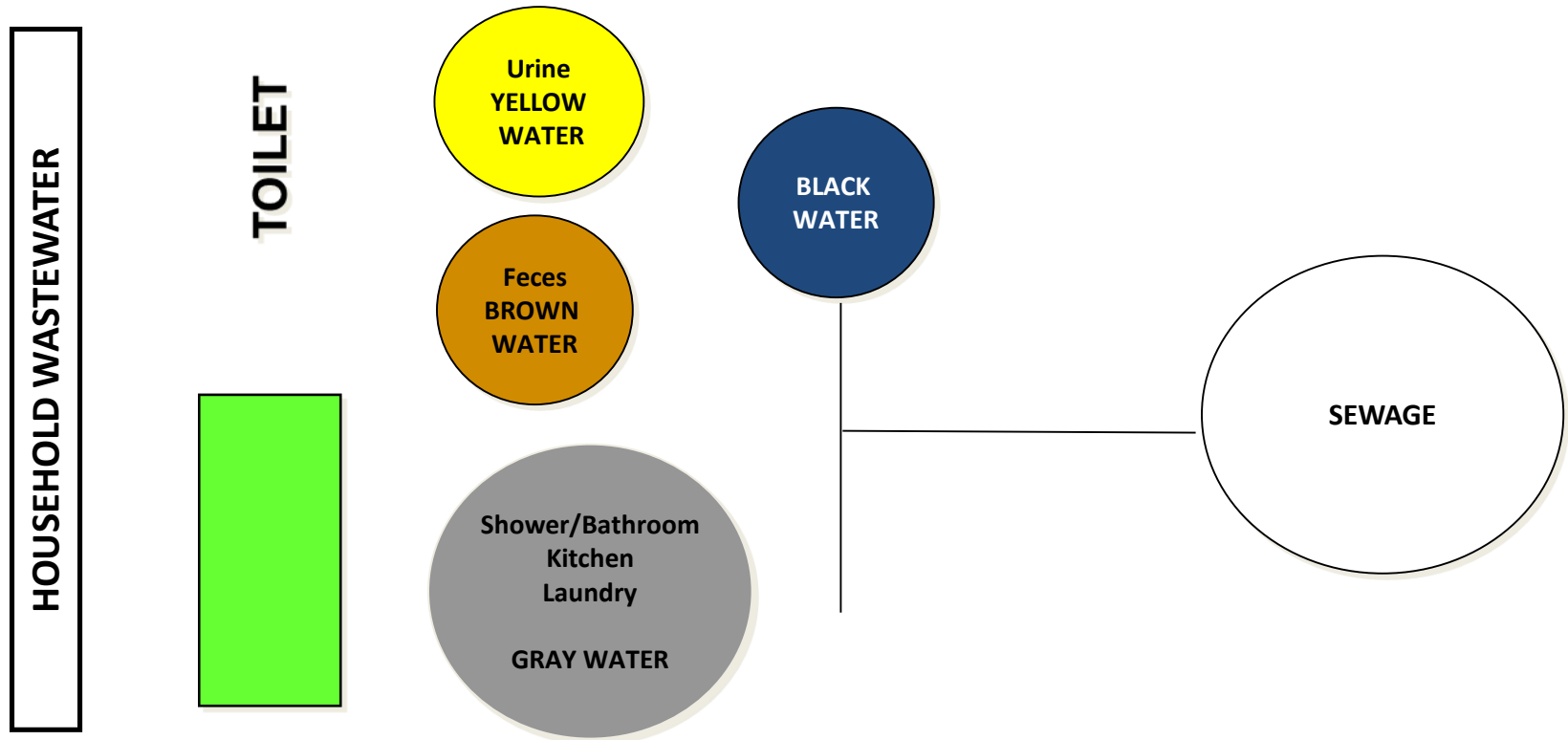


💧 **Sewer Cleanout** – a plug or cover joined to an opening in a pipe, which can be removed for the purpose of cleaning or examining the interior of the pipe.



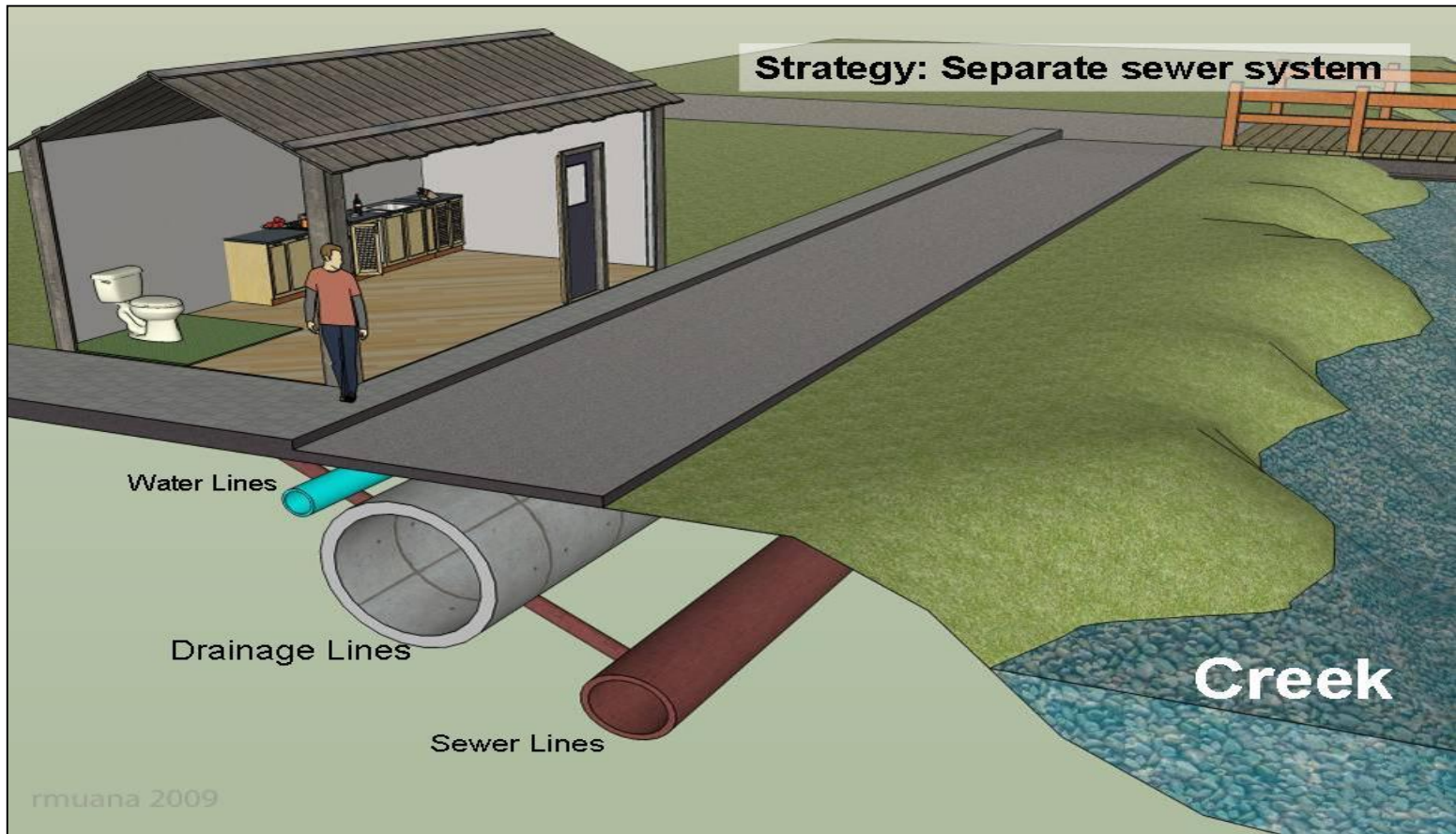
# Sewer and Sanitation Services

## TYPE OF HOUSEHOLD WASTEWATER





# Sewer Connection



# **Why connect to a sewer system**

- **Compliance to existing Sanitation Laws**  
Phil Clean Water Act (R.A.9275,1378)  
PD-856(Sanitation Code of the Phil)
- **Environment Protection**
- **Plant Efficiency**

**THANK YOU!**