



**PRICE ENTERPRISES**  
INC

**August 2022**

## **Wash Water Clarification System Training Practical**

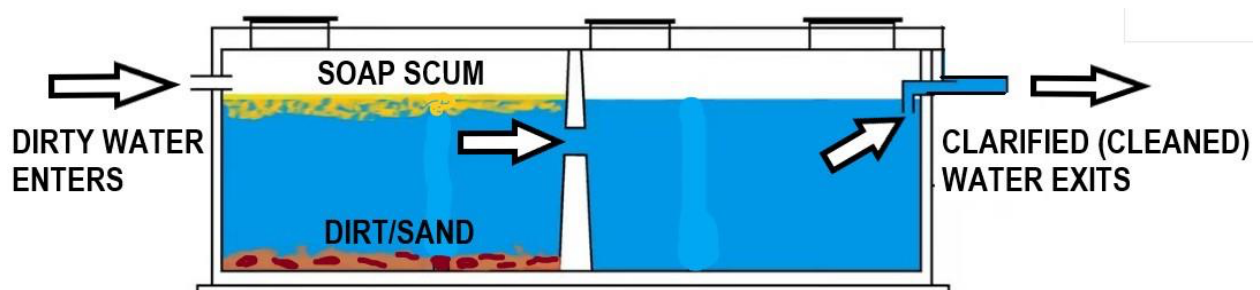
1. What is the Clarifier Tank System?
  - A series of tanks that collects all the dirty water from Car wash facility and processes it, before allowing it to enter the public sewer system.
2. Where are the clarifier tanks located?
  - Waipio CW: underground in loading area.
  - Kapolei CW: underground in emerald wash club members lane.
3. What is collected in the clarifier tanks?
  - Water
  - Dirt
  - Sand
  - Soap Scum
  - Debris
4. How does it work?
  - Tanks are divided into chambers.
  - As water travels from chamber to chamber the soap scum floats to top.
  - Dirt and sand sink to the bottom.
  - The flow of water moves from chamber to chamber becoming cleaner and cleaner.
  - Once it reaches the last chamber it is at its cleanest.
  - Water flows out of tanks into the City & County's sewer system.
5. How many tanks does each Car Wash facility have?
  - Waipio CW: 2 tanks – [1] 1,000 gallons, 500g. [2] 500g, 500g, 500g. (5 manholes)
  - Kapolei CW: 3 tanks – [1] 1,000 gallons, 500g. [2] 500g, 500g, 500g. [3] 500g, 500g, 500g (8 manholes)

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6. Why is having a clarifier tank system important to the Car Wash operation?
  - i. Being environmentally responsible.
  - ii. Process helps reduce levels of soap (scum) and suspended solids (dirt/sand) from entering public sewer.
  - iii. Keeps the Car Wash trough from backing up.
  
7. What vendor do we get the clarifier tanks cleaned by?
  - Vendor: UNITEK
  - Vendor transports all soap scum, dirt, and sand that was removed and dispose in an environmentally approved manner.
  - Testing: UNITEK takes a sample and sends it to a laboratory for analysis. Done annually.
  - Vendor will also remove oily water leaving the tanks empty.
  - Cost? = \$750 testing, cleaning ranges around \$9000.00.
  
8. How often does UNITEK come out to clean clarifier tanks?
  - After every 120,000 cars.
  
9. Physical walkthrough of a clarifier tanks.
  - Explain process from car wash trough to clarifier tank.
  - Open manhole.
  - Have each employee observe and examine what's inside manhole.
  - Have flashlight ready for better lighting of inside tank.
  - Explain process and purpose as you walkthrough.
  - Show manifest report & binder used for recordkeeping.
  
10. Reports & Paperwork:
  - Manifest documents testing/cleaning information (gallons pumped, date, rep.).
  - Operations Manager or Maintenance Manager documents car count.
  - Manifest is copied and one is filed at Car Wash facility, the other is sent to Corporate Office for filing.



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