Randy Watson
City of Wilsonville

Put Down Your Phones And Buckle Up
You Will Now Be Entering The
Twilight Zone Of FOG
THE TWILIGHT ZONE

Do not attempt to adjust your TV set
The smells and sights your about to see may make you sick BUT
Don't be scared it is only grease
Ed Gilmore Says
A Grease Inspector Has A Dream Job
So Lets Just Dive Into The Presentation
Stormwater issues from trash compactors a good BMP is to have these plumbed to a Grease Removal Device.
This Is
Your Level One Blue Print
You Have A Minute To Win It
Good Luck
You Wonder What The Lock Is For?
Dirty Trash Rack Areas Produce
Pollution / Rodents
Roof Fan Grease
Use Google Earth To Locate Grease On Roofs.
Filters had been removed from exhaust system, always check for missing filters.
FOUND MANY TRAPS INSTALLED BACKWARDS
Found another outlet diffuser that's been tampered with.
FSI Charged for cleaning of this trap for years yet trap was just uncovered recently?
Opps lack of maintenance
Waffles Anyone?
This Was The Cover And Waffle Maker
Sure sign this was not cleaned properly.

Honestly I Scraped This Just Last Week
ALI
DESIGNED THIS TRAP WITH NEW IMPROVED BAFFLE SYSTEM
Plumbing code requires these be accessible but really you need to be a plumber and mechanic to open some of these.
Water Flows Uphill
I have never dumped grease down the drain!
This Restaurant Invented A Better Grease Trap!
Trap had been by-passing for years. Rusted out bottom draining under building.
Baffle sitting on bottom of vault never installed. First Inspections found 80% of vaults looked like this. Sending 100% of Grease to WWTP
Vaults don’t work very well when these are not installed
Discharge Side
But Just How Does it connect?
Center wall baffle pipe plugged
Grease going over the center wall.
Septic tank walls fell over during pump out
Contractors Use For Garbage Cans
Attorney General Calls This Stacking
Grease Etched Into The Grout
4686-GA
GREASE INTERCEPTOR
1,500 Gallon Capacity

PLAN VIEW

(2) - No. 24" x 4" Castings (Bolt-Down and Gasketed)
24" Clear Access

(2) - 2-Ton Lift Anchors
(4) - 4-Ton Lift Anchors

SECTION AA

4" PVC OUTLET PIPE
With Sampling Tee
(2) Galvanized Lift Iron
(2 Each End)

4" PVC Elbow

END VIEW

SCALE: 3/8" = 1'-0"

General Notes:
1. Divider Wall to be Precast Concrete
2. Contractor to:
   - Fill with Clean Water After Backfilling is Complete
   - Prior to "Start-Up" of System

FOR CUSTOMER APPLICATIONS
THE FOLLOWING INFORMATION IS NEEDED:
- Top of Interceptor Elevation
- Inlet and Outlet Pipe Sizes and Elevations
- ITEMS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE.
576-GA-CWS

576-GA-CWS
CLEAN WATER SERVICES
1000 GALLON

The Oregon State Plumbing Specialty Code, under 918-770-0050, requires that plumbing products sold in Oregon must be listed by an organization approved by the Board to certify plumbing products for conformance with product standards approved by the Board. IAPMO (Int'l. Assoc. of Plumbing & Mech. Officials) is a listed organization.

Oldcastle Precast®
PO Box 323, Wilsonville, Oregon 97070-0323
Tel: (503) 682-2844 Fax: (503) 682-2657
oldcastlemarshfield.com/wilsonville

TOP
No. 576-T-GA-CWS
6,060 lbs.

(4) - 2 Ton Lift Anchors

(2) - 30 x 4 Castings
(Bolt-Down and Gasketed)

30° Clear Access

2" Vent
Term-A-Duct
(1 Each End)

2'-8"

BASE ASSEMBLY
No. 576-B-GA-CWS
11,830 lbs.

Base
10,850 lbs.
Baffle Wall
660 lbs.
Total
11,830 lbs.

4" PVC
OUTLET PIPE
w/Tee

2 Ton
Lift Anchors
(1 Each Corner)

Baffle Wall
w/Transfer Piping

4" PVC
INLET PIPE
w/Tee

"IAPMO Listed"
Benefits of new Design / Gravity Grease Interceptor (GGI) **CWS series**

- **Larger inlet bay side**
  - More retention time (extends out time before FOG by-pass)
  - More FOG and Food Solids capacity (cost savings)
    - Extends out time of efficiency
  - Less frequent cleaning (less maintenance costs)
- **Very small outlet bay side**
  - Why is owner paying for grey water being removed
  - Outlet bay is for last safety measure before FOG by-pass
  - Once FOG is on this side it is time to schedule a pumpout
- **30” manhole covers**
  - Accessibility/visual for proper maintenance of entire internal components
  - Any component in contact with FOG
- **Only 12” of concrete riser rings allow (starts to create a straw effect)**
  - (like cleaning your basement through your chimney)
  - Extension vault walls to make grade
- **Taller baffle wall**
  - Prevents FOG rising above wall during the heaviest time of clean-up
    - Water entering GGI doesn’t slow
    - Water transferring from inlet to outlet does slow
- **Two transfer piping systems on baffle wall**
  - Helps more grey water to transfer over
  - Transfer piping crosses over higher up on the baffle wall
    - Creates more retention time in the safety bay
  - Outlet side of transfer piping has a 90 half cut facing up
    - Allows for pressure washing through piping system
      - Prevent FOG clogging up
  - Entire piping system is already mounted into the concrete
- **Inlet piping downspout is only 18”**
  - 90 fitting cut in half at bottom facing closes wall
    - Waste water reaching bottom - forced back into wall to disperse quickly
  - 3 - 1” holes in downspout to help dilute heat/flow of waste water
  - Internal piping should remain 4” and connecting pipe can be any size
    - Keeps flow through GGI at the slowest and most beneficial flow rate
- **Taller GGI tops**
  - Gives rendering employee ability to see entire internal parts of GGI
- **Sump in both inlet and outlet bays**
  - Provides quick and easy for rendering employee
- **Clam shell installation (top/bottom installation seam – transition seam)**
  - Transition seam now above the waste water line
    - Never a leak because one side settles
What a Interceptor should look like
• If you don’t think you need to worry about grease then you can always tell your Regulators.
Your Down sizing your pipes because of the economy?
Or You Installed a New City Fountain
OR IT IS JUST SPRING WATER
This Is A Good Reason Men Leave The Toilet Seat Up.
FISH NEED HELP
THEY ARE
DROWNING IN
PEOPLES
POLLUTION!
Remember We All Can Make A Difference
We Now Turn Your TV Set Back Over To You. For More Information Contact:
Randy Watson
City of Wilsonville
503-570-1551
watson@ci.wilsonville.or.us