

City of Boulder

Grease Interceptors - Proposed Code Revisions

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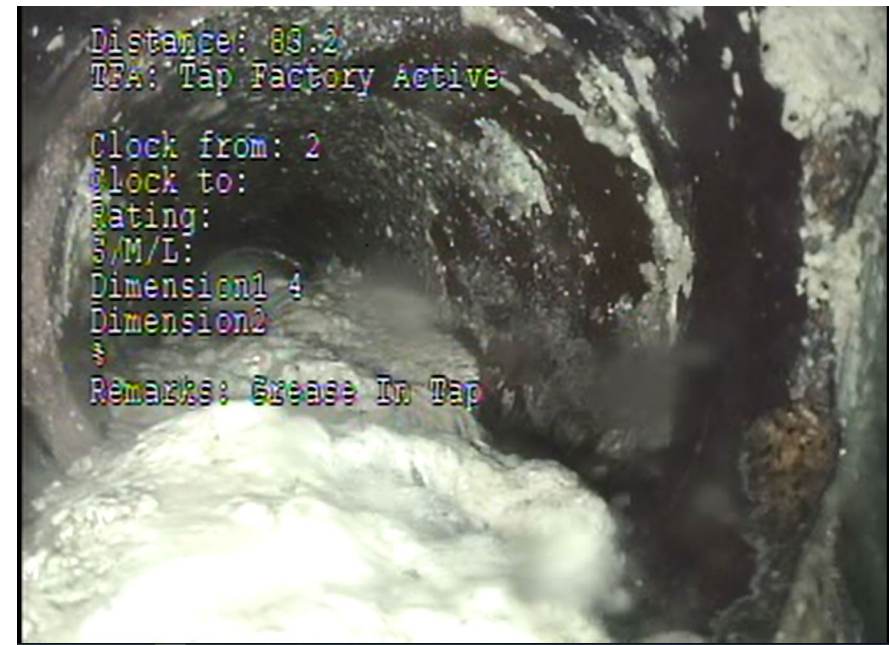


Wastewater discharges in the City of Boulder are regulated by the Boulder Revised Code

Fats, oils and grease (FOG) from food service wastewater builds up in the sewer and causes blockages.



West Pearl alley sewer main



West Pearl private lateral

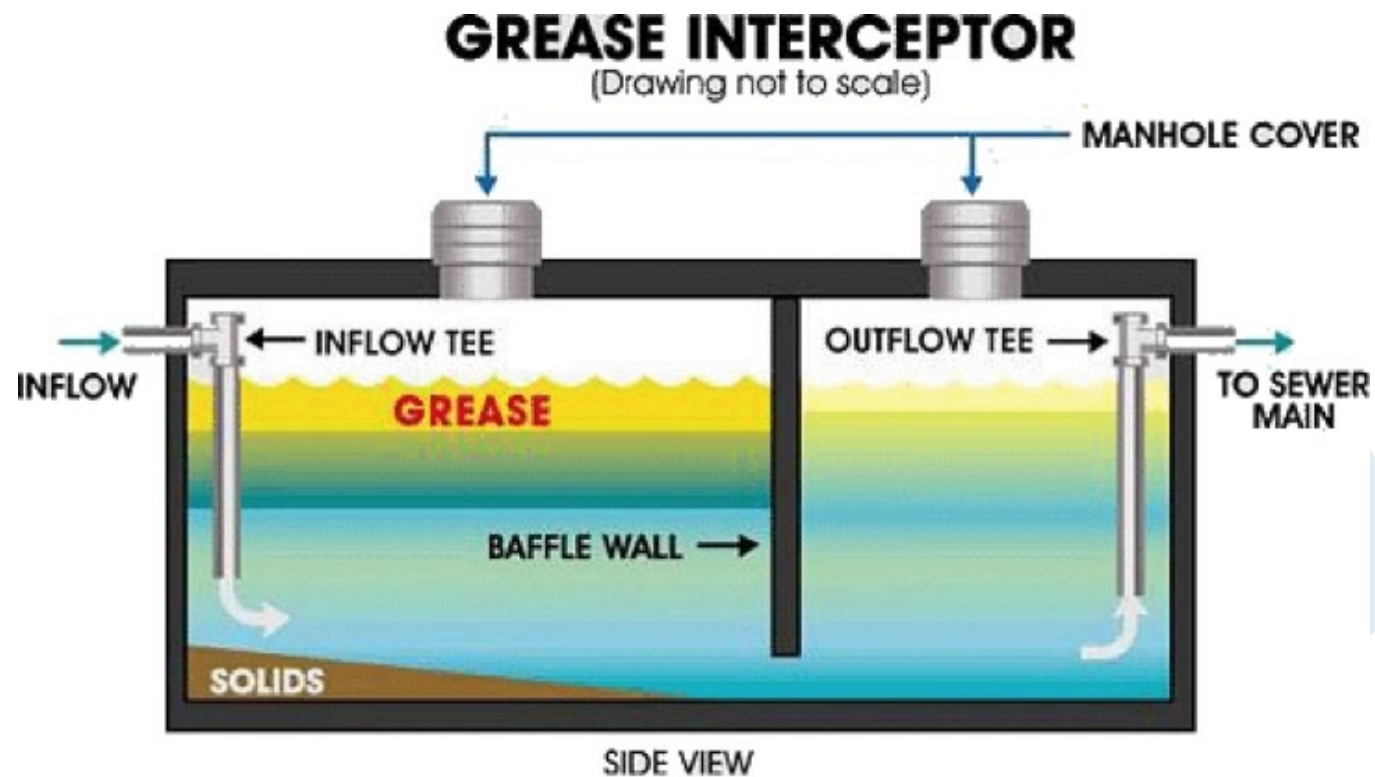
But I don't serve greasy food...



Oils, butter, cream, sauce, salad dressing, meat fat, and gravy all contain FOG.



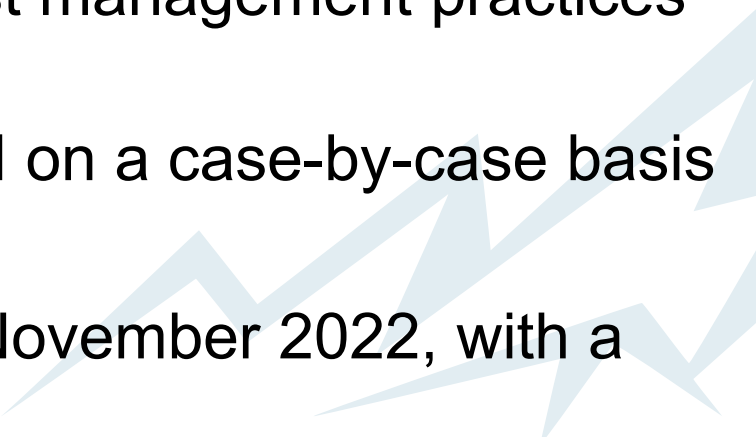
Grease interceptors connected to kitchen plumbing fixtures trap solids and FOG.



Interceptors need to be pumped - unmaintained grease interceptors can lead to blockages and overflows, resulting in costly cleanups and shutdowns.



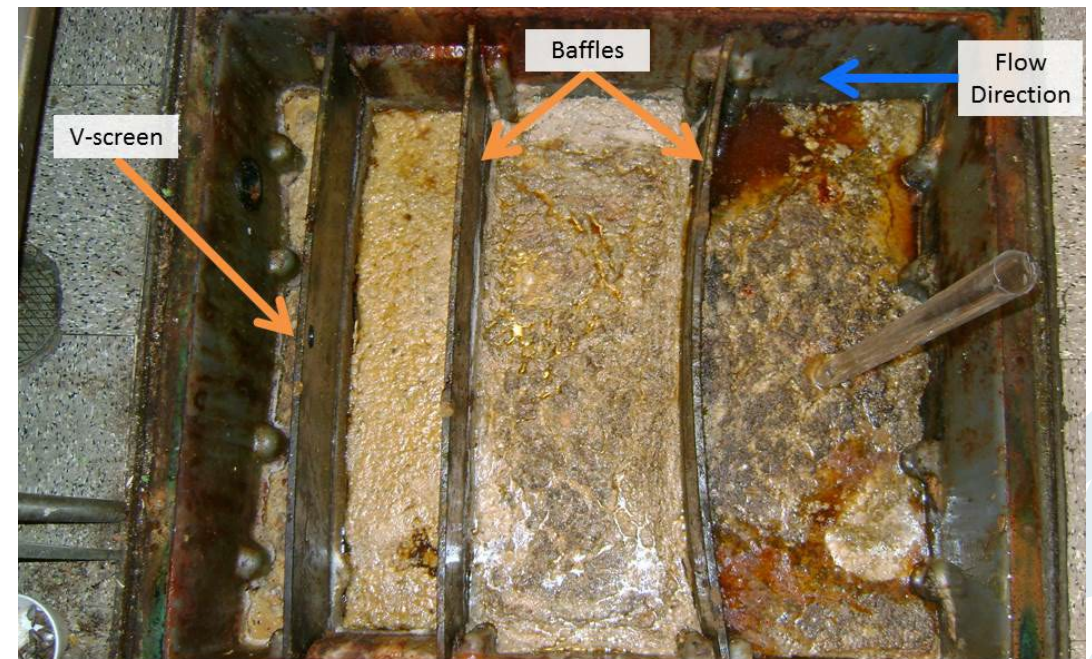
Overview of Proposed Changes Maintenance and Installation

- Proposed changes to the Boulder Revised Code will affect grease interceptor maintenance and installation.
 - *Many restaurants are already in compliance with the proposed changes.*
 - Code changes will:
 - Align code with other Front Range cities – Fort Collins, Denver, CO Springs
 - Meet industry standards for maintenance and best management practices
 - Help protect city wastewater infrastructure
 - Include a pumping waiver option to be considered on a case-by-case basis
 - Code changes planned to go before City Council in November 2022, with a proposed effective date in early 2023.
- 



Current: No standard or measurement to define a “full” grease interceptor.

Proposed: Solids plus floating FOG less than 25% of the interceptor capacity.



This grease trap has significant grease and oil in all compartments, as well as grease beyond the V-screen. A cross section of the trap is taken by inserting a clear plastic tube (on right), covering the top to create suction, then removing the tube to visually inspect how deep the grease, oil, and sediment are relative to the depth of the trap.

Exterior Gravity Grease Interceptor



Current: 6-month pumping

Proposed: 3-month pumping



Hydromechanical Grease Interceptor



Current: 6-month
pumping

Proposed: Monthly
pumping





Best Management Practice

NO! Emulsifiers or degreasers are not a substitute for pumping – any grease dissolved in your plumbing hardens downstream in the city sewer.





Best Management Practice

Scrape dishes and cookware into compost bin to reduce solids and FOG discharging to grease interceptor.





Best Management Practice

Drain screens
keep solids from
filling
interceptor.



About 10% of full-service restaurants (that produce grease) in the City of Boulder are operating without a grease interceptor.

All full-service restaurants that produce grease will need to install grease removal equipment by the end of 2026.



HGI retrofit under dishwash sink.



Pumping records should be kept on file for 3 years and made available to city staff upon request.

Modified pumping schedule application or waiver for special circumstances.



City of Boulder
Utilities

Modified Pumping Schedule Application

Business Name: _____

Address _____

Owner/Operator Name _____

Owner/Operator Email _____

Menu type _____

Do you have a commercial dishwasher? ___ Yes ___ No

Do you have a garbage disposal? ___ Yes ___ No

Is this facility carry out only? ___ Yes ___ No

Do you use disposable serve ware? ___ Yes ___ No

Do you use a waste grease or tallow bin? ___ Yes ___ No

Please include copies of invoices or manifests from the last three grease interceptor pumpouts with this form.

Describe your facility's rationale for requesting a modified pumping schedule. _____

Uniform Waste Grease Manifest (Form WG-2)

6275



Colorado Department
of Public Health
and Environment

NOTE: Pursuant to §30-20-123, et seq. of the Colorado Revised Statutes (C.R.S.), and Section 18 of the Colorado Solid Waste regulations (6 CCR 1007-2, Part 1), all waste grease transporters and waste grease facilities are required to use copies of this manifest when transporting waste grease within Colorado. Copies of all manifests must be kept by registered Waste Grease Transporters and registered Waste Grease Facilities for 3 years. Registered Waste Grease Transporters are required to provide completed manifests to the originating Source/Generator and registered destination facility.

WASTE GREASE SOURCE OR GENERATOR INFORMATION

Pick-up Business/Generator Source Name: <i>Trans II</i>		Original Source/Generator (if different)	
Street Address: <i>1630 1650 St</i>	Business Phone:	Street Address:	
City: <i>Boulder</i>	E-mail address (Optional):	City:	
State: <i>CO</i>	Zip:	State:	Zip:
Waste Grease Picked Up:		Pick-up Business/Waste Grease Source or Generator (Optional: May be required by some other authority)	
Complete pump out of collection or holding device (Yes/No):		Signature: _____	
Amount of Grease Removed: <i>20</i> <input checked="" type="checkbox"/> gallons or <input type="checkbox"/> pounds		Printed name: _____	

NOTE: A separate manifest must be completed for each pick-up of waste grease at each Waste Grease Source and/or Generating Facility.

WASTE GREASE TRANSPORTER INFORMATION

Date and Time: <i>1-18-22</i>	Transporter Registration Number:	Manifest Number:
Business Name: Brooks Grease Service		Vehicle Decal Number:
Street Address: <i>55 w. Brighton St.</i>	Business Phone: 720-878-1772	Driver Signature: <i>[Signature]</i>
City: <i>Brighton</i>	E-mail Address (Optional):	Printed name: <i>[Signature]</i>
State: <i>CO</i>	Zip: <i>80601</i>	

WASTE GREASE (DESTINATION) FACILITY

Date and Time:	Facility Registration Number:	Facility Decal Number:
Business Name: McDonald Farms Denver		Waste Grease Delivered from Source Identified Above
Street Address: <i>4647 National Western Dr.</i>	Business Phone Number:	<input type="checkbox"/> gallons or <input type="checkbox"/> pounds
City: <i>Denver</i>	E-mail address (Optional):	Waste Grease (destination) Facility (Optional: May be required by some other authority)
State: <i>CO</i>	Zip: <i>80716</i>	Signature: _____
Check type(s) of facility: Trans-shipment Location <input type="checkbox"/> Transfer Station <input type="checkbox"/>		Printed name: _____
Collection Facility <input type="checkbox"/> Processing Plant <input type="checkbox"/> POTW Facility <input type="checkbox"/>		

TOTAL AMOUNT OF WASTE GREASE IMPORTED FROM OUT OF STATE (IF APPLICABLE)

Amount of Waste Grease brought in from Out-of-State: ☐ gallons or ☐ pounds

TOTAL AMOUNT OF WASTE GREASE EXPORTED OUT OF STATE (IF APPLICABLE)

Amount of Waste Grease shipped Out-of-State: ☐ gallons or ☐ pounds

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