

Rio Dell Fats, Oils and Grease (FOG) Ordinance

It is recommended that text provided below be inserted into the Rio Dell Municipal Code at the time that the Sewer Use Ordinance is revised. Section numbering will be adjusted to be internally consistent with the revised Sewer Use Ordinance. Authority for determinations in this section are given to the Public Works Director or the City Engineer. This authority can be revised to include others (Superintendent of Wastewater, City Manager, City Manager or designee, or other combinations).

13.32.070 INTERCEPTOR REQUIREMENTS

Grease, oil and sand interceptors shall be provided when, in the opinion of the Public Works Director or the City Engineer, they are necessary for the proper handling of wastewater containing excessive amounts of grease and oil, or sand; except that such interceptors shall not be required for residential users. All interception units shall be of type and capacity approved by the Public Works Director or City Engineer and shall be so located to be easily accessible for cleaning and inspection. All interception units shall be installed in accordance with the provisions of this chapter. Such interceptors shall be inspected, cleaned, and repaired regularly, as needed, by the owner at their sole expense. New and existing Users that are determined by the Public Works Director or City Engineer to have a reasonable potential to adversely impact the POTW shall install a grease interceptor.

A. Users that are required to have a grease interceptor may be required to connect fixtures or drains that have a reasonable potential to allow fats, oils, and grease to be discharged to the POTW to an appropriately sized grease interceptor.

B. Users with garbage grinders shall discharge the garbage grinder to a grease interceptor with a minimum capacity of 1,000 gallons or remove the garbage grinder.

C. Users with dishwashers shall discharge the dishwasher directly to the POTW or to a grease interceptor with a minimum capacity of 750 gallons.

D. Accumulated grease and sediment shall be removed as required. At a minimum gravity grease interceptors and grease traps shall be cleaned when the combined depth of sediment and grease, equals or exceeds 25% of the total depth of the sediment, water, and grease. For multiple chambered interceptors the measurements of sediment and grease is to be preformed in the final interceptor chamber prior to discharge. All other grease interceptors shall be maintained in accordance with the manufacturer's specifications.

E. Grease interceptors shall be kept free of non-food waste including, but not limited to grit, rocks, gravel, sand, eating utensils, cigarettes, trash, towels, and rags.

F. The addition of chemicals, enzymes, emulsifiers, live bacteria or other grease cutters or additives used for purposes of grease reduction to a grease interceptor is specifically prohibited.

G. If the Public Works Director or City Engineer determines that a grease interceptor is not being adequately cleaned or maintained, a correction notice may be issued requiring the deficiency be corrected within seven working days. Maintenance programs including BMP's and defined cleaning frequencies may be mandated. Users that fail to adhere to a maintenance program may be required to install additional pretreatment devices.

H. The City will develop and implement a Fats, Oils, and Grease Policy.

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Rio Dell Fats, Oils and Grease (FOG) Policy

Policy Objectives:

To set forth policies, procedures and requirements governing the installation and maintenance of grease and oil interceptors for Food Service Establishments (FSEs).

To protect the sewer collection system from grease accumulation and blockages that may cause sanitary sewer overflows (SSOs) in violation of the City of Rio Dell NPDES Permit, which can create public health hazards and subject the City to administrative penalties.

Authority:

Rio Dell Ordinance, _____ Interceptor Requirements

California Plumbing Code (CPC)

Assigned Responsibility:

City Manager, Director of Public Works, City Engineer, Wastewater Superintendent.

Applicability:

This policy shall apply to all Food Service Establishments (FSEs) within the City Limits of Rio Dell.

Definitions:

Fats, Oils, and Greases (FOG): Organic polar compounds derived from animal and/or plant sources that contain multiple carbon chain triglyceride molecules.

Grease Interceptor: Any plumbing appurtenance or appliance that intercepts fats, oil and grease from a wastewater discharge.

A. Hydromechanical Grease Interceptor: A plumbing appurtenance or appliance that intercepts fats, oil and grease from a wastewater discharge and is identified by flow rate, and separation and retention efficiency. The design incorporates air entrainment, hydromechanical separation, interior baffling, and/or barriers in combination.

1. Grease Removal Device: Any hydromechanical grease interceptor that automatically, mechanically removes FOG from

the interceptor, the control of which are either automatic or manually initiated.

2. Grease Trap: A device designed to retain grease from one to a maximum of four fixtures.

3. Trappzilla or Approved Equal: A polyethylene large capacity hydromechanical grease interceptor.

B. Gravity Grease Interceptor: A plumbing appurtenance or appliance that is installed in a sanitary drainage system to intercept FOG from a wastewater discharge and is identified by volume, retention time, baffles, a minimum of two compartments, a minimum total volume of 300 gallons, and gravity separation. Gravity grease interceptors are generally installed outside.

Food Service Establishment (FSE): Those establishments primarily engaged in activities of preparing, serving, or otherwise making food available for consumption by the public. FSEs include but are not limited to restaurants, commercial kitchens, caterers, hotels, schools, hospitals, prisons, correctional facilities, and care institutions.

Best Management Practice (BMP): Schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to reduce the FOG discharges.

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FOG Requirements:

A. All FSEs where food is being prepared or kitchenware is being washed shall install an appropriately sized grease interceptor in conformance with CPC Chapter 10 and approved by the Director of Public Works or the City Engineer. Espresso bars, juice bars, and other low impact FSEs may be excluded on a case by case basis.

B. Existing FSEs with planned plumbing improvements or tenant improvement plans subject to a building permit shall be evaluated during the building permit process and shall install an appropriately sized grease interceptor if one is not already in place. If a grease interceptor is required, these facilities shall first obtain approval of device type and size from the Director of Public Works or the City Engineer for proper device type and size prior to receiving a building/plumbing permit.

Newly constructed FSEs shall install an appropriately sized gravity grease interceptor in conformance with CPC Chapter 10. All such facilities shall obtain prior approval from the Director of Public Works or the City Engineer for sizing prior to receiving a building permit.

C. All existing food service establishments that are determined by the Director of Public Works or the City Engineer, to have a reasonable potential to adversely impact the City's sanitary sewer system will be required to install an appropriately sized grease interceptor or upgrade their current system to conform to the requirements of this policy. Facilities with undersized or nonfunctional grease interceptors as determined by the city will be required to install an appropriately sized grease interceptor or upgrade their current system to conform to the requirements of this policy. FSEs will be notified of their obligation to fulfill applicable requirements within a time period specified in a Notice of Correction.

Plan Review:

All building plans for the new construction of FSEs, as well as alterations of an existing FSE that require a building permit shall be approved by the Director of Public Works or the City Engineer prior to issuance of the building permit.

Alternative Pretreatment Technology:

A. Devices required under this Policy shall be installed unless the Director of Public Works or the City Engineer authorizes the installation of alternative pretreatment technology. The installation of alternative pretreatment technology will be considered where the installation of a grease interceptor is not feasible due to physical constraints or other considerations.

B. Alternative pretreatment technology includes, but is not limited to, devices that are used to trap, separate and hold grease from wastewater and prevent it from being discharged into the sanitary sewer. All alternative pretreatment technology must be appropriately sized and approved by the Director of Public Works or the City Engineer.

Installation Requirements:

A. Grease interceptor sizing and installation shall conform to the current edition of the California Plumbing Code or other codes adopted by the City of Rio Dell.

B. Waste lines leading from sinks, drains, and other fixtures or equipment in FSEs where grease may be introduced into the sanitary sewer system may be required to be connected to a grease interceptor.

C. Gravity grease interceptors shall be constructed in accordance with the City of Rio Dell Standard. The minimum size gravity grease interceptor allowed is 750 gallons. If more than one interceptor will be installed to achieve the required storage capacity, the interceptors shall be installed in series. All interceptors except the final one shall be designed as a single chamber interceptor. Gravity grease interceptors shall not be located in a food or utensil handling area.

D. Trapzilla Hydromechanical Grease Interceptors or Approved Equal shall be a minimum size of 75 gallons per minute unless specifically authorized by the Director of Public Works or the City Engineer.

E. Grease interceptors shall be installed at a location where they are easily accessible for inspection, cleaning, and removal of intercepted grease.

F. Grease traps are not allowed in new construction and remodels unless specifically approved by the Director of Public Works or the City Engineer. Approval shall only be granted in instances where the installation of a gravity grease interceptor, grease removal device, Trapzilla (or Approved Equal), or alternative pretreatment technology is not feasible. Grease traps shall not be located, in a food or utensil handling area.

G. Sanitary wastes shall not be discharged to a grease interceptor.

H. No food waste disposal unit or dishwasher shall discharge into any hydromechanical grease interceptor.

1. Existing facilities with food waste disposal units that discharge to hydromechanical grease interceptors or discharge directly to the sanitary sewer shall remove the food waste disposal unit or connect it to a gravity grease interceptor with a minimum size of 1,000 gallons.

2. Existing facilities with dishwashers that discharge to hydromechanical grease interceptors shall re-route the dishwasher to discharge directly to the sanitary sewer or with the approval of the City Engineer may discharge to a gravity grease interceptor with a minimum size of 750 gallons.

Maintenance Requirements:

A. All grease interceptors/devices shall be maintained in efficient operating condition in conformance with CPC § 1014.1.2 and Rio Dell City Ordinances. Accumulated grease and sediment shall be removed as required. At a minimum gravity grease interceptors and grease traps shall

be cleaned when the volume of sediment and grease equals or exceeds 25% of the total depth of the sediment, water, and grease layers.

B. Grease Removal Devices, Trappzillas (or Approved Equals), and Alternative Pretreatment Technologies shall be cleaned and maintained in accordance with the manufactures' recommendations.

C. No collected waste shall be introduced into the sanitary sewer.

D. All grease interceptors shall be kept free of non-food waste including but not limited to grit, rocks, gravel, sand, eating utensils, cigarettes, trash, towels, and rags.

E. The addition chemicals, enzymes, emulsifiers, live bacteria or other grease cutters or additives used for purposes of grease reduction to a grease interceptor is specifically prohibited.

F. If the Director of Public Works or the City Engineer determines that a grease interceptor is not being properly cleaned and maintained, the City may mandate a maintenance program. Maintenance programs shall include but are not limited to mandatory cleaning frequencies. Facilities that fail to adhere to a mandated maintenance program may be required to install additional grease interceptors.

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Information on the completed application will be verified

SECTION A - GENERAL INFORMATION		
1. Facility Name:		
Facility Address:		
Street:		
City:	State:	Zip:
Phone #:	Fax #:	
2. Business Mailing Address:		
Street or PO Box:		
City:	State:	Zip:
3. Designated signatory authority of the facility:		
Name:	Title:	
Address:		
City:	State:	Zip:
Phone #:	Fax #:	
4. Designated facility contact:		
Name:	Title:	
Phone #:	Fax #:	
Emergency Phone #:		

**APPLICATION FOR WASTEWATER DISCHARGE PERMIT
FATS OILS AND GREASE**

SECTION B – FACILITY INFORMATION

1. Type of Facility (Check One)

- Full Service Restaurant Fast Food Take out Facility
 Food Packager Meat Processor Convenience Store
 Other, please specify _____

2. Days and Hours of Operation

3. Shift Information

Number of Shifts _____

Number of Employees per Shift: 1st _____ 2nd _____ 3rd _____

SECTION C – GREASE INTERCEPTOR INFORMATION

4. Device #1

Type (circle one) Grease Interceptor Grease Trap Grease Removal Device

Other, please specify _____

Location _____

Size _____

Service Frequency _____

Device #2

Type (circle one) Grease Interceptor Grease Trap Grease Removal Device

Other, please specify _____

Location _____

Size _____

Service Frequency _____

**APPLICATION FOR WASTEWATER DISCHARGE PERMIT
FATS OILS AND GREASE**

SECTION F – DISPOSAL INFORMATION

1. Briefly describe the cleaning method of the grease interceptor including disposal methods for contents removed from the interceptor.

SECTION G – GREASE HAULER INFORMATION

1. Name of Hauler:

2. Address:

3. Telephone Number:

4. Fax Number:

5. E-Mail Address:

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SECTION H – AUTHORIZED SIGNATURES

Authorized Representative Statement:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (Please Print)

Title

Signature

Date

Phone

**WASTEWATER DISCHARGE FATS OILS AND GREASE
PERMIT NUMBER XXXX**

Food Service Establishment
1234 Anywhere Street
Rio Dell, CA 95540

is authorized by this permit to discharge industrial wastewater through the outfalls identified herein into the City of Rio Dell sanitary sewer system in accordance with Rio Dell Ordinance, _____ and the conditions contained in this permit.

Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable Local, State, and Federal laws.

The permittee shall comply with all conditions of this permit. Noncompliance with any term or condition of this permit constitutes a violation of the Rio Dell Ordinance, and may result in the installation of additional pretreatment devices.

This permit is not transferable. Additional copies of this permit may be obtained by contacting the Utilities Superintendent.

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This permit shall become effective on **Month Day, Year** and shall expire on **Month Day, Year**.

Prepared By: _____ Date: _____
Rick Chicora
Wastewater Superintendent.

Approved By: _____ Date: _____
Randy Jensen
Director of Public Works

PART 1 – STANDARD REQUIREMENTS

- A. The permittee shall maintain all pretreatment equipment in proper working condition as per manufacturers' specifications.
- B. All maintenance on the pretreatment equipment shall be documented, and all records retained for at least three years.
- C. The permittee shall retain this permit and all correspondence which modifies or amends this permit.

PART 2- DESCRIPTION OF OUTFALL(S)

- A. During the period of this permit, the permittee is authorized to discharge kitchen wastewater to the City of Rio Dell sanitary sewer system from the outfall(s) listed below.

<u>Outfall</u>	<u>Description</u>
001	Outfall Described Here

PART 3 – SITE SPECIFIC REQUIREMENTS

- A. During the period of this permit the permittee shall:
1. Maintain its grease interceptor as necessary. At a minimum the grease interceptor shall be cleaned when the combined depth of grease and sediment equals or exceeds 25% of the combined depth of sediment, grease and water or once every **60 days** whichever is less.
 2. The permittee shall document all cleanings. Documentation may be provided in the form of a receipt or manifest from a grease hauler, or a logbook.
 3. If a logbook is maintained the logbook shall include:
 - a. The date the interceptor was cleaned;
 - b. The employee or grease hauler who performed the cleaning; and
 - c. The initials of the employee that cleaned the interceptor, witnessed the cleaning, or verified that it had been cleaned.

PART 4 – FEES/FINES

- A. The City of Rio Dell assesses fees in accordance with **Rio Dell Ordinance, _____, to recover the cost of administering the Pretreatment Program.** Typical fees include but are not limited to:
1. Initial permit and pre-permit inspection fees;
 2. Permit Renewal fees; and
 3. Administration of one Industrial User's Pretreatment Requirements, including inspections, sampling, and correspondence.
- B. The City of Fortuna assesses administrative fines in accordance with **Rio Dell Ordinance, _____.** Fines may be imposed for violations of:
1. Chapter _____ of the Rio Dell Ordinance;
 2. Wastewater Discharge Permits and orders issued hereunder; and
 3. Any pretreatment standard or requirement.