

**Town of Vestal  
Fats, Oil and Grease Control Program**

**May 2015**



**CHAPTER 18-29**  
**FATS, OILS, AND GREASE (FOG) CONTROL PROGRAM**

(a) *Purpose.* The purpose of the FOG Control Program is to reduce Sanitary Sewer Overflows (SSOs) and blockages, and to protect public health and the environment by minimizing public exposure to unsanitary conditions. By controlling the discharge of FOG to the wastewater collection system, excessive buildup in sewer lines can be lessened, thereby increasing the system's operating efficiency and reducing the number of sewer line blockages and overflows.

(b) *Definitions.*

1. *Fats, Oils, and Grease (FOG)* shall mean material, either liquid or solid, composed of fats, oils, grease, petroleum product, sand or sediment.
2. *FOG Discharger* shall mean any commercial, industrial, institutional, or food processing facility discharging kitchen, food preparation wastewaters and wastewaters laden with petroleum products or sediment. These facilities include, but are not limited to, restaurants, commercial kitchens, caterers, motels, hotels, cafeterias, correctional facilities, prisons or jails, cafeterias, care institutions, hospitals, schools, churches, car washes, maintenance facilities, etc.
3. *Oil & Grease Interceptor* shall mean a structure or device, usually located underground and outside a FOG Discharger, designed and installed to collect, separate and contain food waste and grease while allowing the wastewater to be discharged to the Town's sanitary sewer system by gravity.
4. *Oil & Grease Trap* shall mean a device typically located indoors and under the sink or in the floor, designed and installed for separating and containing grease prior to the wastewater exiting the trap and entering the sanitary sewer system. Such devices are typically passive (gravity fed) and compact with removable baffles.

(c) *Treatment.* To date, the best means of controlling FOG is the use of an oil & grease removal device such as an oil & grease interceptor or oil & grease trap. FOG Dischargers will be required to install, operate and maintain an approved-type and adequately-sized oil & grease removal device necessary to maintain compliance with the objectives of this program. The oil & grease removal device shall be adequate to separate and remove FOG contained in wastewater discharges from FOG Dischargers prior to discharge to the sewer system. Fixtures, equipment, and drain lines located in the pertinent areas of FOG Dischargers that are sources of FOG discharges shall be connected to the oil & grease removal device.

(d) *New Construction of Facilities for FOG Dischargers.* New FOG Dischargers shall install and properly maintain an adequately sized oil & grease interceptor prior to commencing discharges of wastewater to the sewer system.

(e) *Existing FOG Discharge Facilities.* All facilities having the potential to discharge fats, greases, oils or sands at any time shall provide interceptors or other best management practices as required in Chapter 18-29: FATS, OILS, AND GREASE (FOG) CONTROL PROGRAM. Existing facilities housing FOG dischargers undergoing remodeling or change in operations will be required to install and properly maintain an adequately-sized oil & grease interceptor. FOG Dischargers shall install oil & grease interceptors within 180 days upon notification. FOG currently using BMPs may request for more time to install oil & grease interceptors. At the Wastewater Superintendent's discretion based on inspection, sampling or camera data from the line, the request may be granted if the discharger of FOG is not impacting the collection system.

*(f) Variance of Oil & grease Interceptor Requirement.* Existing FOG Dischargers may request a variance from the oil & grease interceptor requirement to allow alternative pretreatment technology that is equally effective in controlling the FOG discharge in lieu of an oil & grease interceptor. One such alternate pretreatment technology is the oil & grease trap and is covered individually under Section 18-29(t). Consideration of granting the variance will be based on the following:

1. There is insufficient space for installation and/or maintenance of an oil & grease interceptor.
2. There is inadequate slope for gravity flow between pertinent plumbing fixtures and the oil & grease interceptor and/or between the oil & grease interceptor and the private collection lines or the public sewer.
3. The FOG Dischargers can demonstrate that the alternative pretreatment technology is equivalent or better than an oil & grease interceptor in controlling FOG discharge. In addition, the FOG Dischargers must be able to demonstrate, after installation of the proposed alternative pretreatment, its continued ability to effectively control FOG discharge.

The variance may be rescinded if subsequent monitoring shows accumulation of FOG in the sewer lateral or the collection system immediately downstream of the FOG Discharger's connection. This variance does not alter requirements as stated in the New York State Uniform Fire Prevention and Building Code. Additional action would be necessary to gain relief from that regulation.

*(g) Waiver from Oil & Grease Removal Device Installation.* No waivers shall be granted for any facility discharging a FOG.

*(h) Term and Conditions.* A variance shall contain the terms and conditions that serve as the basis for its issuance. A variance may be revoked at any time when the terms or conditions for issuance are not met or no longer exist. In addition, the variance shall remain in effect until the specified expiration date.

*(i) Cost Recovery.* A FOG Discharger will be required to reimburse the Town of Vestal for all costs incurred for investigating FOG issues, associated with the FOG discharger, inspecting existing infrastructure conditions, cleaning the sewer line to remove FOG buildup, and disposal of removed debris.

*(j) Discharge Restrictions*

1. *Additives.* The use of additives (i.e. enzymes, emulsifiers, etc.) is prohibited. The benefits of additives are temporary and defeat the purpose of an interceptor or trap.
2. *Waste Cooking Oil.* Disposal of waste cooking oil into drainage pipes is prohibited. All waste cooking oils shall be collected and stored properly in receptacles such as barrels or drums for recycling or other acceptable methods of disposal.
3. *Dishwasher Discharges.* Discharge of wastewater from dishwashers into any oil & grease trap is prohibited. Dishwashers may be connected to an oil & grease interceptor provided the interceptor is adequately designed and sized to receive such discharge.
4. *Oil & Petroleum Products.* Discharge of oil & petroleum products to the Town's sewer collection system is prohibited.
5. *Sand & Sediment.* Discharge of any sand or sediment is prohibited. This includes any discharge from car washes, maintenance facilities with internal drainage systems discharging to the Town's sewer collection system.
6. *High Temperature Discharges.* Discharge of wastewater with temperatures in excess of 140° F (60° C) into any oil & grease removal device is prohibited. Higher temperatures have an increased probability of liquefying oil & grease, thus defeating the purpose of the oil & grease removal device.

7. *Food Grinders.* Food grinders are prohibited at all new Food Service Establishments. Existing Food Service Establishments undergoing a remodel will be required to remove all food grinders. Existing Food Service Establishments not undergoing a remodel but which have caused a sanitary sewer overflow will be required to remove all food grinders within 180 days of notification.
8. *Sanitary Wastes.* Discharge of wastes from toilets, urinals, wash basins and other fixtures containing fecal materials into sewer lines intended for oil & grease interceptor service is prohibited.
9. *FOG and Solid Material.* Discharge of any waste which has been removed from an oil & grease removal device into the sewer system is prohibited. Oil & grease removed from oil & grease interceptors shall be hauled periodically as part of the operation and maintenance requirements for oil & grease removal devices.

*(k) FOG Removal Device Permit.* All FOG Dischargers proposing to discharge or currently discharging wastewater containing FOG to the Town's collection system shall install a FOG removal device and obtain a FOG Removal Device Permit. Existing FOG Dischargers discharging to the Town's collection system shall obtain a FOG Removal Device Permit within one (1) year subsequent to adoption of this ordinance. Any new FOG Dischargers proposing to discharge to the Town's collection system shall obtain a FOG Removal Device Permit prior to beginning the discharge. FOG Removal Device Permits shall be subject to all provisions of the Town's Municipal Code. The FOG Removal Device Permit is not intended to relieve the discharger of any other local, state, or federal regulation.

The cost of the FOG Removal Device permit shall be as approved by the Town Board.

*(l) Permit Application.* All FOG Dischargers complete a permit application. Upon completion, the FOG Discharger will be inspected and a general FOG Removal Device Permit will be issued provided that a complete application is provided accompanied by suitable backup documentation as outlined by the requirements below:

1. Name, address, telephone number, description of the facility and service activities.
2. Name of any and all principals/owners of the facility.
3. Name and address of property owner or lessor and the property manager where the facility is located.
4. Floor, site and plumbing plans showing detailed sewer connections and oil & grease removal devices.
5. Specifications of all oil & grease removal devices and any sizing calculations.
6. Any other information as may be specified in the application form. Special cases may require additional information related to the applicant's business operations and potential discharge in order to properly evaluate the permit application.

A blank FOG Removal Device Permit is found at the end of this Chapter.

*(m) FOG Removal Device Permit Conditions.* The FOG Removal Device Permit may contain any of the following conditions or limits:

1. Limits on discharge of FOG and other pollutants
2. Requirements to install, operate, and maintain adequate pretreatment devices including oil & grease removal devices
3. Oil & grease interceptor and/or trap maintenance frequency and schedule
4. Requirements for implementing and maintaining all applicable Best Management Practices
5. Requirements for maintaining logs and records, including waste hauling records and manifests and to have such records available for inspection

6. Additional requirements as may be determined to be reasonably appropriate by the Water Superintendent, code official or as specified by other Regulatory Agencies to protect the collection system
7. Other terms and conditions, which may be reasonably applicable to ensure compliance with the FOG Program

*(n) FOG Removal Device Permit Modifications.* A FOG Removal Device Permit may be modified for good cause, including, but not limited to the following reasons:

1. To incorporate any new or revised federal, state, or local pretreatment standards or requirements;
2. To address significant alterations or additions to the user's operation, processes, or wastewater volume or character since the time of FOG Removal Device Permit issuance;
3. Information indicating that the permitted discharge poses a threat to the Town's collection system;
4. Violation of any terms or conditions of the FOG Removal Device Permit or of conditions listed in Chapter 18-29 of the Town Municipal Code;
5. Misrepresentations or failure to fully disclose all relevant facts in the FOG Removal Device Permit application or in any required reporting; or
6. To correct errors in the FOG Removal Device Permit.

*(o) Best Management Practices (BMPs).* All FOG Dischargers shall implement BMPs to minimize the discharge of FOG to the sewer system. Detailed requirements for Best Management Practices shall be specified in the permit. These may include good housekeeping practices and employee training essential in minimizing FOG discharge.

1. All waste oil shall be collected and stored properly in recycling receptacles such as barrels or drums. Such recycling receptacles shall be maintained properly to insure that they do not leak. Licensed waste haulers or an approved recycling facility must be used to dispose of waste oil.
2. All FOG waste should be disposed of directly into the trash or garbage and not in sinks.
3. Employees of the Fog Discharger shall be trained by ownership/management periodically as specified in the permit, on proper operating procedures, proper disposal procedures, spill cleanup, etc.

Training shall be documented and employee signatures retained indicating each employee's attendance and understanding of the practices reviewed. Training records shall be available for review at any time by representatives of the Town.

*(p) Signage.* Best Management and waste minimization practices shall be posted conspicuously in the applicable areas (i.e. kitchens, service bays, etc.) at all times.

*(q) Drawing Submittal Requirements.* FOG Dischargers may be required to submit a schematic drawing of the FOG control device or other pretreatment equipment, piping and instrumentation diagram and wastewater characterization report. At the Water Superintendent's discretion, the drawings may be required to be prepared by a New York State Licensed Professional Engineer.

FOG Dischargers may be required to submit copies of as-built facility site plans, mechanical and plumbing plans and details to show all sewer locations and connections. The documents shall be in a form and content acceptable to the Wastewater Superintendent, Town Engineer and Code Official for review of existing or proposed oil & grease control devices, monitoring facilities, metering facilities and operating procedures. The review of the plans and procedures shall in no way relieve FOG Dischargers of the responsibility to modify the facilities or

procedures in the future as necessary to produce an acceptable discharge, and to meet the requirements of this FOG Control Program.

*(r) Oil & Grease Interceptor Requirements.*

1. FOG Dischargers shall provide wastewater acceptable to the FOG Program, under the requirements and standards established herein before discharging to the Town's collection system. Any facility required to provide FOG pretreatment shall install, operate and maintain an approved type and adequately-sized oil & grease interceptor necessary to maintain compliance with the objectives of the FOG Control Program.
2. Approved oil & grease interceptor sizing and installation shall conform to the latest approved edition of the New York Plumbing Code. Oil & grease interceptors shall be constructed in accordance with the design approved by the Water Superintendent, Town Engineer and Code Official and shall have a minimum of two compartments with fittings designed for oil & grease retention.
3. The oil & grease interceptor shall be installed at a location where it shall be at all times easily accessible for inspection, cleaning and removal of accumulated oil & grease.
4. Access manholes, with a minimum diameter of 24 inches, shall be provided over each oil & grease interceptor chamber and sanitary tee. The manholes shall also have readily removable covers to facilitate inspection, oil & grease removal and wastewater sampling activities.

*(s) Oil & Grease Interceptor Maintenance Requirements*

1. Oil & grease interceptors shall be maintained in efficient operating condition by acceptable routine removal of all contents of the devices which include wastewater, accumulated FOG, floating materials, sludge and solids.
2. No FOG that has accumulated in an oil & grease interceptor shall be allowed to pass into any sewer lateral, sewer system, storm drain, or public right of way during maintenance activities.
3. FOG Dischargers shall be required to submit data and information necessary to establish a maintenance frequency for their oil & grease interceptor at the discretion of the Wastewater Superintendent for acceptance.
4. The maintenance frequency for all FOG Dischargers with an oil & grease interceptor shall be determined in one of the following methods:
  - a. Oil & grease interceptor maintenance shall not exceed six months between cleaning intervals. If this interval is not sufficient to eliminate discharge of FOG to the municipal sewer, the FOG Discharger shall develop a suitable plan for acceptance by the Town. This does not eliminate any responsibility that the FOG Discharger has for Cost Recovery as outlined in section 18-29(i).
  - b. The owner/operator of a facility discharging a FOG may submit a request to the Wastewater Superintendent, Town Engineer and Code Official requesting a decrease in the maintenance frequency at any time. The FOG Discharger has the burden of responsibility to prove that the change reflects actual operating conditions based on the average FOG accumulation over time. The FOG Discharger must also show that it is in full compliance with the conditions of its permit and the Town of Vestal Municipal Code. Upon approval of the Wastewater Superintendent, Town Engineer and Code Official, the FOG Permit will be modified accordingly to reflect the change in maintenance frequency.
  - c. If, at any time, the oil & grease interceptor contains FOG and solids accumulation that prevents the interceptor from properly pre-treating FOG before entering the collection system, the FOG Discharger shall be required to have the oil & grease interceptor serviced immediately such that all materials are completely removed from the interceptor. If necessary, the FOG Discharger may be required to increase the maintenance frequency of the oil & grease interceptor from the current frequency.

5. Wastewater, accumulated FOG, floating materials, sludge/solids, and other materials removed from the oil & grease interceptor shall be properly disposed off site by waste haulers in accordance with federal, state, and/or local laws.

A sample maintenance log is provided at the end of this chapter.

*(t) Oil & Grease Trap Requirements & Maintenance*

1. FOG Dischargers may be required to install oil & grease traps in the waste line leading from drains, sinks and other fixtures or equipment where oil & grease may be introduced into the sewer system in quantities that can cause blockage.
2. Sizing and installation of oil & grease traps shall conform to the latest approved edition of the New York State Plumbing Code.
3. Oil & grease traps shall be maintained in efficient operating condition by removing accumulated oil & grease on a periodic basis. The maintenance frequency may vary depending on the condition of the oil & grease trap or the collection system. Oil & grease trap maintenance shall not exceed two weeks between cleaning intervals.
4. Oil & grease traps shall be maintained free of all food residues and any FOG waste removed during the cleaning and scraping process.
5. Oil & grease traps shall be inspected periodically to check for leaking seams and pipes, and for effective operation of the baffles and flow regulating device. Oil & grease traps and their baffles shall be maintained free of all caked-on FOG and waste. Removable baffles shall be taken out of the oil & grease trap and cleaned during the maintenance process.
6. Dishwashers and food waste disposal units shall not be connected to or discharged into any oil & grease trap, except as required by New York State Uniform Fire Prevention and Building Code.

A sample maintenance log is provided at the end of this chapter.

*(u) Monitoring Facilities Requirements.*

1. The Wastewater Superintendent may require FOG Dischargers to construct and maintain in proper operating condition, at the FOG Dischargers' sole expense, flow monitoring, constituent monitoring and/or sampling facilities.
2. The location of the monitoring and/or metering facilities shall be subject to approval by the Wastewater Superintendent.
3. FOG Dischargers may be required to provide immediate, clear, safe and uninterrupted access to authorized representatives of the Town of Vestal to all monitoring and/or metering facilities.
4. FOG Dischargers may also be required by the Wastewater Superintendent, Town Engineer or Code Official to submit waste analysis plans, contingency plans, and meet other necessary requirements in order to ensure proper operation and maintenance of FOG removal devices and to comply with the Town of Vestal Municipal Code. If the Town requires that a NYS licensed professional engineer reviews these documents, the generator of the FOG shall cover all review fees.

*(v) Record Keeping Requirements.* FOG Dischargers shall be required to keep all manifests, receipts and invoices of all cleaning, maintenance, oil & grease removal of/from the oil & grease removal device, disposal carrier and disposal site location for no less than three years. FOG Dischargers shall, upon request, make the manifests, receipts and invoices available to representatives of the Town of Vestal. These records should include:

1. A logbook of oil & grease removal device cleaning and maintenance practices.
2. A record of BMPs being implemented including employee training.
3. Copies of records and manifests of waste hauling interceptor contents.
4. Records of sampling data and monitoring required by the FOG Removal Device Permit.

5. Records of any spills and/or cleaning of the lateral or sewer system.

*(w) Penalties.* Any violations of Chapter 18-29 shall be liable to a fine or imprisonment as outlined in Section 18-75 or 18-97. Section 18-75 describes penalties for violations occurring within the Village of Endicott Wastewater Treatment Plant Service Area while Section 18-97 describes penalties occurring within the Binghamton-Johnson City Joint Sewage Treatment Plant Service Area.



**TOWN OF VESTAL FATS, OILS & GREASE (FOG) REMOVAL DEVICE PERMIT**

<b>Name of Facility or Business:</b>
<b>Address</b>
<b>Phone Number: (    )</b>

<b>Name of Owner(s) of Facility:</b>
<b>Address:</b>
<b>Phone Number: (    )</b>

<b>Name of Lessor or Property Manager:</b>
<b>Address:</b>
<b>Phone Number:</b>

<b>Existing Facility?    <input type="checkbox"/> Yes                      <input type="checkbox"/> No</b>
<b>(If Yes):</b>
Size and type of trap/interceptor(s):
Location:

Permit application shall include plans detailing device location and description of all fixtures discharging into the FOG removal device. The Application shall also contain specifications on the oil and grease removal devices with this application along with any supporting calculations demonstrating adequate sizing.

Maintenance logs shall be located in a conspicuous place inside facility in close proximity of the facilities discharge.

<b>Proposed Discharge Hauler:</b>
<b>Address:</b>
<b>Phone Number:</b>
<b>Permit Number:</b>

**Name of Person at Facility responsible for Wastewater discharge:**

Name-Please Print	Title	Phone number
-------------------	-------	--------------

**Owner Certification**

I hereby affirm that all information furnished is true and correct to the best of my knowledge, and that the applicant has read and will comply with all attached conditions and limitations and that all applicable fees with this application have been paid as in section 18-29 of the Town code.

Signature of Owner or Corporate Officer	Title	Phone Number	Date
---	-------	--------------	------

<b>For Official Use Only</b>		
<b>Approved By</b>		
Signature	Title	Date

**TOWN OF VESTAL**  
**FATS, OIL, GREASE (FOG) REMOVAL DEVICE MAINTENANCE LOG**

Pumper/Hauler \_\_\_\_\_

Hauler I.D.# \_\_\_\_\_

Address \_\_\_\_\_

Phone Number \_\_\_\_\_

Disposal Site  
 Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Pumping/Cleaning Frequency \_\_\_\_\_

<b>Date Cleaned</b>	<b>Amount Removed (Gallons)</b>	<b>Hauler Receipt Attached (Y/N)</b>	<b>Employee Signature</b>

This record must be maintained and available for inspection for three (3) years. If there is a problem or concern pertaining to the release of oils and/or grease into the sewer system, please contact the Town of Vestal Water Department at 607-748-6683.