

ORDINANCE 2015-16

AN ORDINANCE OF THE CITY OF SMYRNA, GEORGIA, PROVIDING FOR THE AMENDMENT OF THE CODE OF ORDINANCES OF THE CITY OF SMYRNA, CHAPTER 102, UTILITIES Article IV to Amend Section 102-46 Sand and Oil/Grease Interceptors and 102-47 Grease Recovery Systems

Chapter 102 Utilities

Article IV

Section 102-46 **Sand and oil/grease interceptors.**

(a) Requirements.

(1) All users involved in the preparation of food for commercial purposes shall provide oil/grease interceptors or traps, unless exempted by the water system. Additionally, any user who generates a wastewater which contains greater than the quantity of oil and grease regulated under section 102-43, and provided that the excess oil and grease is floatable and can be effectively removed in an oil/grease interceptor or trap, then such user will be required to install a grease/oil interceptor.

(2) All users whose wastewater stream is associated with unusually large quantities of grit, sand or gravel shall be required to install a sand trap. All car/truck wash systems shall be required to install sand traps.

(3) The requirements of this section shall not apply to private living quarters or dwelling units.

(b) For facilities other than eating establishments.

(1) Design criteria. All sand and oil/grease interceptors used in conjunction with facilities other than eating establishments shall have a capacity that will provide not less than ten minutes nor more than 30 minutes retention time at the peak eight-hour flow rate. Flow-through velocities shall not exceed one foot per second at the peak eight-hour flow rate.

(2) Compliance with plumbing code. All sand and oil/grease interceptors shall be sized, located and constructed in accordance with the provisions of the duly adopted City plumbing code where such parameters have not been otherwise set forth in this article.

(c) Maintenance. All users shall maintain their sand and oil/grease interceptors in a proper and effective manner at all times. In maintaining these interceptors, users shall be responsible for the proper recovery, removal, and disposal by appropriate means of the captured material, and shall maintain records of the dates and means of disposal which are subject to review by the City. The frequency of removal shall be specified in the permit issued by the water system.

(d) Proper disposal of collected materials. Any removal and hauling of the collected materials from a grease trap, grit trap, oil-water separator, or sand trap, which is not an AIRD, must be performed by waste disposal firms holding a current registration and permit number as a

commercial waste hauler under EPD rules. The collected materials shall not be returned to the wastewater system.

(e) Registration requirement. Each user required to install an oil/grease or sand recovery system as set forth in paragraphs (a) or (b) of this section shall register its recovery system with the water system for the purpose of obtaining a discharge permit. Such application shall include the name, address, telephone number and factors indicating the potential for grease or grit laden waste to be introduced into the wastewater collection system. The water system shall provide the user with a discharge permit number, its expiration date, and the capacity and design requirements of a compliant grease removal system. The water system shall keep a continuous public log of all permitted users, including their registration number, address and contact name of the user. The water system may review discharge permits annually. The discharge permits of those found to be in compliance with existing federal, state, and local laws and regulations will be renewed by the water system.

Sec. 102-47 **Grease recovery systems.**

(a) Definitions and abbreviations. The following definitions and abbreviations shall apply only to this section.

Active interior recovery device (AIRD). A grease interceptor housed inside a building or structure that automatically cleans itself of accumulated fats, oils and grease at least once every 24 hours.

Clean-out port. A pipe that extends from the ground surface to the interior of the passive exterior device ("PED") so as to allow access to and inspection of the interior of the PED.

Effluent tee. A T-shaped pipe extending from a passive exterior device at such a depth to allow recovery and discharge of water located under the separated layer of fats, oils and grease.

Fats, oils and grease (FOG). Any substance, such as a vegetable or animal product, that is used in, or is a by-product of, the food preparation process, that turns or may turn viscous or solidifies or may solidify with a change in temperature or other conditions.

Grease recovery system. A single unit or a system of interceptors, separators, or traps which prevents free floating fats, oils and grease from entering the sewage system by recovering and removing these substances from water.

Grease-laden waste. Effluent discharge that is produced from food processing, food preparation or other commercial source where fats, oils and grease may enter the wastewater system.

Grease interceptor. A plumbing appurtenance that is installed in a sanitary drainage system to intercept fats, oils and greases from a wastewater discharge.

(Grease) trap. An interceptor, separator or recovery vehicle that prevents free-floating fats, oils and grease from entering the sewage system. See also grease interceptor.

Influent Tee. A T-shaped pipe extending into a passive exterior device to a depth allowing grease-laden wastes to be discharged beneath the layer of separated grease in a controlled manner.

Manifest. A log or record of the volume, date of removal and disposal destination of pumped materials from a grease trap.

Passive exterior device (PED). A grease interceptor that requires pumping and is housed outside a building or structure.

Passive interior device (PID). A grease interceptor that requires pumping and is housed inside a building or structure.

Solids interceptor. A device installed to separate food wastes from the discharge prior to connecting to the grease interceptor.

User. Food service or food preparation establishments, their owners or operators, or their agents, that receive city wastewater system service and/or reclamation facility service.

(b) General.

(1) Users that generate or use fats, oils, or grease or any combination thereof, and discharge water to a county wastewater reclamation facility shall be required to install, operate, clean and maintain a grease recovery system of appropriate size and design to achieve compliance with requirements set forth under this section.

(2) Users with passive interior devices may continue to operate with such devices until such time as there is a change of owner or operator, expansion of the establishment, change from a fast food to full service establishment, or they receive official notice from the county water system.

(3) The city water system may exempt food service establishments that are known to not be a source of fats, oils, or grease from the grease recovery system installation requirement.

(c) Administration.

(1) **Registration requirement.** Each user required to install a grease recovery system shall register its grease recovery system with the city water system for the purpose of obtaining a discharge permit. Such permit application shall include the name, address, telephone number and factors indicating the potential for grease-laden waste to be introduced into the wastewater system. The city water system shall provide the user with a discharge permit number, its expiration date, and the capacity and design requirements of a compliant grease recovery system. The city water system shall keep a continuous public log of all permitted users, including their registration number, address and contact name of the user. The city water system may review discharge permits annually. The discharge permits of those found to be in compliance with existing federal, state, and local laws and regulations will be renewed by the city water system.

(2) Inspection fees. No fee will be charged for an annual inspection of the grease recovery system for the discharge permit. However, if the grease recovery system is not in compliance with this section, a reinspection fee will be charged for each inspection thereafter until the grease recovery system is in compliance and approved by the city water system. Failure to pay the reinspection fee shall result in the forfeiture of the discharge permit.

(3) Records. All users with a grease recovery system must keep a record of any cleaning or maintenance of their grease recovery system. The following records must be kept on-site at the food service establishment for a minimum of three years:

a. Manifest. The removal of grease trap contents (PEDs or PIDs) must be tracked by a state approved manifest that confirms the pumping, transport, and disposal of the contents.

1. Information. This manifest shall contain the following information:

A. Generator information, including name, address, volume pumped, date and time of the pumping and signature of the generator verifying the information.

B. Transporter information, including company name, address, license plate number, permit number and driver's name and signature verifying transporter information.

C. Receiving information, including the facility's name, address, date and time of receiving, EPD number and signature verifying receipt of the waste.

2. Reporting. Completed grease trap cleaning manifests must be submitted to the city water system within 14 days after the trap is cleaned.

b. Maintenance log. For all AIRDs, a continuous log indicating each cleaning and/or maintenance for the previous 12 months, including the disposal of the recovered grease and oil, shall be maintained. This log shall be kept in a conspicuous place where it can be inspected by the health department and/or city water system personnel upon request.

(d) Grease recovery systems.

(1) Where required. Grease recovery systems shall be installed where grease-laden waste from food preparation, food processing or other commercial use will be discharged into the city wastewater system.

(2) Technology required. An approved grease recovery system shall be installed consisting of one or a combination of the following methods:

a. Passive technology that is an approved passive exterior device (PED).

b. Active technology that is an approved active interior recovery device (AIRD).

(3) Prohibited discharge.

- a. Waste that does not contain fats, oils or grease and that otherwise does not require grease separation treatment shall not be discharged into the grease recovery system.
- b. Wastewater from dishwasher machines or wastewater that otherwise exceeds 130 degrees Fahrenheit shall not be introduced into any interior grease trap.
- c. Food-waste grinders shall not discharge into the building drainage system through an interior grease trap unless preceded by a solids interceptor.

(4) Dumpsters/dumpster pads. Dumpsters/dumpster pads may be allowed to connect to the wastewater system under the following conditions:

- a. The dumpster/dumpster pad is covered and constructed in such a manner so as to protect the drainage connection from stormwater runoff; and
- b. The drain is connected to a passive exterior device which will be maintained by the user in the method prescribed by this section for other passive exterior devices. The trap shall be at least 750 gallons where restaurants or food preparation establishments are the users or are in the vicinity and the trap shall comply with the grease trap detail approved and amended from time to time by the city water system. The trap shall be at least 300 gallons for offices, retail and other non-food preparation users and shall comply with the dumpster trap detail approved and amended from time to time by the city water system.
- c. Each user who installs a dumpster trap shall register its grease recovery system with the city water system for the purpose of obtaining a discharge permit. Such application shall include the name, address, telephone number and factors indicating the potential for grease-laden waste to be introduced into the wastewater system. The city water system shall provide the user with a discharge permit number, its expiration date, and the capacity and design requirements of a compliant grease recovery system. The city water system shall keep a continuous public log of all permitted users, including their registration number, address and contact name of the user. The city water system may review discharge permits annually. The discharge permits of those found to be in compliance with existing federal, state, and local laws and regulations will be renewed by the city water system.

(5) Passive exterior device (PED) requirements.

- a. Each PED design, including size, type and location shall be reviewed and approved by the city water system in substantial conformity to a grease trap detail approved and amended from time to time by the county water system. PEDs shall:
 - 1. Be sized and engineered based upon the anticipated load and/or conditions of actual use.
 - 2. Shall be constructed of sound durable material, not subject to excessive corrosion or decay, and shall be water and gas tight.

3. Be traffic-worthy with at least one manhole opening over each of the influent and effluent tees. If the PED has more than two compartments, there must be a traffic-worthy manhole opening over the additional compartment(s).

4. Contain baffles sufficient to allow a proper separation of grease from water.

5. Be a minimum of 1500 gallons and a maximum of 3,000 gallons in size (300 gallons allowed for nonfood prep dumpster pads only, as noted in previous section). Multiple PEDs are allowed, configured in series where possible.

b. Sizing. All passive exterior devices shall have a capacity and design in compliance with the following:

1. Restaurants:

$$(S) \times (20) \times (Hr/12) \times (LF) = \text{capacity in gallons}$$

S = number of seats in dining/bar area

Hr = number of hours open

LF = loading factor:

1.25 interstate highways

1.00 other freeways, shopping centers, recreational areas

0.8 main highways

2. Fast food (disposable serviceware):

$$(S) \times (12) \times (Hr/12) \times (LF) + (TO) \times 2.5 = \text{capacity in gallons}$$

S = number of seats in dining/bar area

Hr = number of hours open

LF = loading factor:

1.25 interstate highways

1.00 other freeways, shopping centers, recreational areas

0.8 main highways

TO = Take-out orders/day

3. Hospitals, schools, nursing homes, or other types of commercial food preparation facilities:

$(M) \times (5) \times (LF) = \text{capacity in gallons}$

M = meals per day

LF = loading factor:

1.0 with regular serviceware

0.5 with disposable serviceware

(6) Passive interior devices (PIDs). There shall be no PIDs installed in any user's premises. PIDs may be allowed with approval of the following conditions:

a. A technically logistical reason exists as to why a passive interior device cannot be installed (i.e., conflicts with existing utilities, elevation disparities or location on a second floor).

(7) Active interior recovery device requirements. AIRDs may be allowed in lieu of PEDs in accordance with the following conditions:

a. A technically logistical reason exists as to why a passive exterior device cannot be installed (i.e., conflicts with existing utilities, elevation disparities or location on a second floor).

b. The installation or use of all active interior recovery devices must be approved by the city water system.

(e) Alternative technology/methods. Engineered alternative technology or methods may be permitted, provided the technology or method meets the minimum performance standards set forth by this section or by the city water system.

(f) User responsibility.

(1) User responsibility and acknowledgement.

a. Users that are required to install a grease recovery system shall be responsible for the cleaning and maintenance of the grease recovery system located on the property. The user shall be responsible for maintaining any grease recovery system pursuant to subsection b., below, and in such a manner that the grease discharge shall not exceed the county's daily maximum discharge limits as developed and approved by the county board of commissioners. The currently adopted limits shall be on file with the Smyrna Public Works Department.

b. The user shall maintain accurate records (manifests and logs) of the dates of cleaning and the means of disposal of fats, oils and grease. These records are subject to inspection and review by the city water system pursuant to and in accordance with subsection (c) (3) above.

c. Any removal and hauling of fats, oils, and grease shall be performed by a registered commercial waste transporter. If the grease recovery system fails to prevent discharge over the daily maximum, the city water system will require the user to repair, replace or upgrade their grease recovery system, which may include one or more of the user's devices, at the user's expense.

d. All costs related to the building's sewer installation, grease recovery system or connection and registration shall be borne by the user.

e. The user shall be required to sign an Acknowledgment Form furnished by the county water system attesting to the user's understanding of the aforementioned responsibility.

(2) Grease trap maintenance.

a. All grease traps shall be maintained by the user at the user's expense. For passive internal devices and passive external devices, maintenance shall include the complete recovery of all contents, including floating materials, wastewater and bottom sludges and solids. All grease recovery systems shall be properly and adequately maintained by the user so as to achieve the intended purpose of the device.

b. In the maintaining of these grease recovery systems, the user shall be responsible for proper recovery, removal and disposal by appropriate, approved means of the captured material by a licensed waste disposal or rendering firm.

c. All PEDs shall be completely pumped out at a minimum of once every three months, or more frequently as required by the county water system to protect the wastewater system. The city water system may establish a less frequent schedule to address unusual situations such as schools closed during the summer or establishments with known low usage of fats, oils, and grease. The frequency of removal shall be such as to ensure that no overflows of fats, oils or grease into the wastewater system ever results. Decanting or discharging of removed waste back into the trap from which the waste was removed or to any other grease trap or sanitary sewer connection for the purpose of reducing the volume to be hauled is prohibited.

d. All PIDs shall be completely pumped out at a frequency established by the city water system to ensure the protection of the wastewater system.

e. All AIRDs shall be maintained in accordance with the manufacturer's recommendations and a copy of same shall be maintained at the site for review and inspection by the city water system. A continuous log indicating each cleaning and/or maintenance for the previous 12 months, including the disposal of the recovered grease and oil, shall be maintained. This log shall be kept in a conspicuous place where it can be inspected by the health department and/or city water system personnel upon request.

(g) Inspection and entry. Any authorized representative of the city water system bearing proper credentials and identification shall be permitted to enter and inspect all properties, without prior notification, for compliance with code. This right of inspection shall include the right to measure,

observe, monitor, sample, test, record, review and make copies of all pertinent documents in accordance with this section.

(h) Violations and enforcement.

(1) Violations. It shall be unlawful for any user or customer to discharge water to the city wastewater system in a manner in violation of this section, or of any conditions set forth in this article. Any user who violates any provision of this section shall, in addition to the penalties specified herein, be subject to the penalties contained in section 1-8 of the Smyrna Code of Ordinances to the extent such violations, notice and penalties are not addressed in this section.

(2) Noncompliance. If it is determined that the user has failed to comply with the provisions of this section, a written notice of violation shall be given to the user, the contractor named in the permit, or the user's authorized agent. If the user is not a customer (e.g., if the user is a tenant in a master-metered development), then the customer for the property on which the user is located shall receive a copy of the notice of violation. The notice shall set forth the violation and the measure needed to achieve compliance. The user shall be given a reasonable time frame to comply. Where an emergency exists, a written warning shall be given to the user, and user will have 24 hours to comply.

(3) Failure to comply. Any user who fails to comply with a written notice of violation may be fined in an amount not to exceed \$1,000.00 per violation. Each day on which noncompliance shall occur or continue shall be deemed a separate and distinct violation. Such fines may be added to the next scheduled sewer charge of the user or the customer for the property on which the user is located. The city water system shall have the power and authority to enter upon the property of any user who fails to comply with a notice of violation to terminate the user's water and/or wastewater service in any manner deemed necessary and appropriate by the city water system. If a user who fails to comply with a notice of violation is not a customer, then the city water system shall have the power and authority to terminate the water and/or wastewater service of the customer for the property on which the user is located in any manner deemed necessary and appropriate by the city water system.

(4) Overflow charge. Any sewer or manhole overflow traced to an inadequately operating grease recovery system or lack of a grease recovery system will result in a service charge to the user or the customer for the property on which the user is located. The service charge shall include the cost of cleaning up the overflow and for cleaning grease out of the immediately adjacent contaminated wastewater system. A fine in an amount not to exceed \$1,000.00 may be added to the service charge for each successive overflow. These charges and fines shall not impede other enforcement actions as delineated in sections 1-8 of the Smyrna Code of Ordinances. Additionally, the user or customer for the property on which the user is located, shall be responsible for payment of any fine levied by the Georgia Environmental Protection Division against the city as a result of overflows in the city wastewater system caused by grease traced to any inadequate or absent grease recovery system.

(5) Alternative penalties. Any violation of this section may also be punished as provided in Section 1-8 of the Smyrna Code of Ordinances, pursuant to a citation or accusation returnable to the municipal court of the city.

Approved by Mayor and Council this 17th day of August, 2015

A. Max Bacon, Mayor

Attest:

Terri Graham, City Clerk

City of Smyrna

Approved as to form:

Scott Cochran, City Attorney

