

ORDINANCE 2013-07

AN ORDINANCE OF THE CITY OF LAKE WALES, POLK COUNTY, FLORIDA, AMENDING CHAPTER 21, UTILITIES, SECTION 21-52, LAKE WALES CODE OF ORDINANCES, TO PROVIDE REQUIREMENTS AND REGULATIONS FOR FAT, OIL AND GREASE (FOG) INTERCEPTORS AND OTHER TYPES OF INTERCEPTORS; TO PROVIDE REGULATIONS FOR ROUTINE INSPECTION OF INTERCEPTORS; TO PROVIDE STANDARDS RELEVANT TO THE EFFECTIVE OPERATION OF INTERCEPTORS; TO ENSURE PROPER CLEANING AND MAINTENANCE OF INTERCEPTORS; PROVIDING A MANNER AND TIME FRAME FOR COMPLIANCE BY ESTABLISHMENTS WITH EXISTING INTERCEPTORS WHICH DO NOT COMPLY WITH THE PROVISIONS OF THIS ORDINANCE; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

BE IT ENACTED by the City Commission of the City of Lake Wales, Polk County, Florida:

SECTION 1. Chapter 21, Utilities, Lake Wales Code of Ordinances is hereby amended to read as follows:

DIVISION 2. - SEWER USE REGULATIONS

Sec. 21-52. - Interceptors required

~~Grease, oil and sand interceptors shall be provided when, in the opinion of the director of utilities, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand or other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall have a minimum capacity of seven hundred fifty (750) gallons, shall be designed in accordance with Rule 10D-6.005(5), F.A.C., shall be of a type approved by the director of utilities and shall be located as to be readily and easily accessible for cleaning and inspection. Under certain circumstances, under counter grease interceptors may be used with the prior approval of the director of utilities. In the maintaining of the interceptors, the owner shall be responsible for the proper 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 periodic review by an authorized representative of the city~~

Grease interceptors are not required for every residence. However, one or more grease interceptors are required where grease waste is produced in quantities that could otherwise cause line stoppage or hinder sewage disposal.

(1) *Fat, oil and grease (F.O.G.) interceptors required.* Users who operate restaurants, cafes, lunch counters, take-outs, cafeterias, bars, clubs, or hotel, hospital, factory or school kitchens or other establishments that serve or prepare food where F.O.G. may be introduced to the sewer system shall have a F.O.G. interceptor.

Take-out food establishments or other establishments that prepare food but do not cook in oil or grease and who serve food only in disposable containers may utilize alternative interceptors as approved by the Public Works Director or his/her designee, provided their discharges will not violate any discharge prohibitions of this Ordinance. F.O.G. interceptors may also be required in non-cooking or cold dairy and frozen foodstuff establishments when they are deemed necessary by the

Public Works Director or his/her designee. Establishments that do not generate sufficient flow to warrant a grease interceptor shall be authorized, at the discretion of the Public Works Director or his/her designee, to install an alternative grease prevention measure.

- (2) Oil and sand interceptors required. Users who operate automatic and coin operated laundries, car washes, filling stations, commercial garages or similar businesses having any type of washing facilities or grease racks and any other users producing grit, sand, oils or other materials in levels prohibited by 62-302 Florida Administrative Code Rule, (grease and oils > 100 mg/L) which may have the potential of causing partial or complete obstruction of the building sewer or other areas in the sewer system shall install interceptors approved by the Public Works Director or his/her designee.
- (3) Location of interceptors. Where a grease interceptor is required, kitchen wastewater shall first pass through the interceptor and then be discharged into the sewer system. All interceptors shall be located outside the building in such a manner that personnel from City of Lake Wales Utilities Division can inspect the interceptors at any time.
- (4) Size of interceptors. All interceptors shall be sized to ensure that the city's sewer system is protected from excessive F.O.G., sand and oil which may cause clogging or damage and that the user is capable of meeting all discharge requirements. F.O.G. interceptors shall be based on chapter 10 of the Florida Building Code, as amended. Sizing of grease interceptors shall be based on the equations as set forth below. The minimum volume of any grease interceptor shall be 750 gallons and the maximum volume of a single grease interceptor is greater than 1250 gallons, installation of grease receptors in series is required. Restaurants: $(S) \times (GS) \times (HR/12) \times (LP)$ = effective capacity of grease interceptor in gallons, where: S = number of seats in the dining area. GS = gallons of wastewater per seat (use 25 gallons for ordinary restaurant, use 10 gallons for single service Ordinance restaurants) HR = number of hours establishment is open, LP = loading factor: use 1.25 for interstate highways, 1.00 for freeways, 1.00 for recreational areas, 0.80 for main highways, and 0.50 for other highways. Other type establishments with commercial kitchens: $(M) \times (GM) \times (LF)$ = effective capacity of grease interceptor in gallons, where: M = meals prepared per day; GM = gallons of water used per meal (use 5 gallons) LF = loading factor (use 1.00 with dishwashing and 0.50 without dishwashing).
- (5) Sampling port. A sampling port shall be installed in an approved location to allow sampling by the utility and the user. The sample port shall be located between the interceptor and the discharge point to the sewer system.
- (6) Access manholes. An access manhole must have a minimum diameter of twenty-four (24) inches and shall be provided over each chamber and sanitary tee. The access manholes shall extend at least to the finished grade and be designed and maintained to prevent water inflow or infiltration. The manholes shall have readily removable covers to facilitate inspection and cleaning.
- (7) Plans required. The following must be submitted to City of Lake Wales Utilities Division for review and approval prior to installation of an interceptor.
 - (a) Site plans showing the location of the interceptor, lines, clean out or manhole and sample port;

- (b) Details of the interceptor, lines, clean out or manhole and sample port; and,
- (c) Formula and calculation used to determine the interceptor capacity.

Note: No non-grease-laden sources are allowed to be connected to sewer lines intended for grease, oil and sand separators.

- (8) Existing interceptors. All interceptors currently in use or in existence at the time of this Ordinance will be considered sized sufficiently provided they meet all discharge requirements as stated in this Ordinance. All new interceptors or interceptors to replace or upgrade existing interceptors will be required to meet all criteria stated in this division. Existing interceptors that are currently undersized (less than 750 gallons) may be required to pump out more frequently than 90 days. These establishments will be required to comply within 5 years of the effective date of this ordinance.
- (9) Inspections. The director of the City of Lake Wales Public Works Department or his or her designee shall have the authority to inspect at a reasonable time (nominally within 6 months unless circumstances dictate more frequent inspections are required), those food service, food processing, or other commercial establishments which may produce grease and which are connected to a City of Lake Wales sewer system to ensure that said establishments have installed and are properly maintaining an adequate grease interceptor on all waste lines. When upon inspection the interceptor is found to have six (6) inches or more of solids in the bottom of the interceptor (using a sludge judge) or a grease cap of three (3) inches or more, or the establishment exceeds discharge compliance levels, the Public Works Director or his/her designee can require a grease pump out. Upon completion of an on-site inspection or analytical results of sampling indicate a violation of this Ordinance, the Public Works Director or his/her designee may issue a "notice of violation" to the user or representative to document any discrepancies, noncompliance, special instructions or other guidance identified during the on-site inspection. Fines may be levied for failing to respond in a timely manner to a notice of violation or order for corrective action. Fines may be issued and not exceed \$500/day/violation.

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(10) Maintenance

- (a) The user of the premises or business where such interceptor is located shall obtain from City of Lake Wales Utilities Department a maintenance card which shall be posted in a conspicuous manner showing proof of regular maintenance. Such card shall be obtained annually and shall be presented upon request. All records pertaining to the maintenance of an interceptor shall be retained by the user for a period of not less than three (3) years and available to City of Lake Wales Utilities Department upon request.
- (b) Every F.O.G. interceptor shall be cleaned every ninety (90) days or sooner, if needed.

An exemption may be granted to the ninety-day minimum requirement if the user can establish that such maintenance schedule is not necessary.

(11) Alternative treatments. The use of any free-enzyme, chemical, or other products designed to emulsify, liquefy or further render grease soluble for the purpose of clearing drains or circumventing the design of the interceptor is prohibited. All products claiming biological activity must be approved by the Public Works Director or his/her designee. Approval for this or any other treatment does not relieve the user of properly maintaining the interceptor as to prevent discharge violations to City of Lake Wales sewer system.

Failure to comply with this section shall subject the user to appropriate enforcement, fines, and procedures as set forth in this Ordinance. Additionally, if any person fails to comply with this section and said failure results in damage to the city's system, the city shall be entitled to recover the cost of repair of the system from said person and any fines or penalties assessed against the city as a result of such failure.

(12) Sample collection

- (a) Except as indicated in paragraph (b), below, the user must collect wastewater samples using flow proportional composite collection techniques. In the event flow proportional sampling is infeasible, the director may authorize the use of time proportional sampling or a minimum of four (4) grab samples where the user demonstrates that this will provide a representative sample of the effluent being discharged. In addition, grab samples may be required to show compliance with instantaneous discharge limits.
- (b) Samples for oil and grease, temperature, pH, cyanide, phenols, sulfides, and volatile organic compounds must be obtained using grab collection techniques

SECTION 2. If any clause, section or provision of this ordinance shall be declared unconstitutional or invalid for any reason or cause, the remaining portion of said ordinance shall be in full force and effect and be valid as if such invalid portion thereof had not been incorporated herein.

SECTION 3. This ordinance shall become effective immediately upon its passage by the City Commission.

CERTIFIED AS TO PASSAGE THIS 17th **DAY OF** May **2013.**

BY:



Mayor/Commissioner

City of Lake Wales, Polk County, Florida

ATTEST:


City Clerk