



GREASE AND SAND REDUCTION POLICY

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CITY OF ANDOVER

GREASE AND SAND REDUCTION POLICY

SECTION I – General Policy Statement

The purpose of this policy is to establish a standard of minimizing the amount of grease and sand from entering the municipal sewer system. The policy is to aid in the prevention of sanitary sewer blockages and backups from the introduction and accumulation of fats, oils, greases and sand from commercial establishments particularly, but not limited to, food preparation/serving establishments and carwashes. The policy is intended to be used in conjunction with City of Andover Code 10, Chapter 2, the Minnesota State Plumbing Code Section 4715.1110, 4715.1115 and the Metropolitan Council Environment Services (MCES), Industrial Waste & Pollution Prevention Section in charge of enforcing the Waste Discharge Rules (WDR) under Minnesota Statutes, WDR Sections 406.04, 406.05 and 406.22.

Grease is singled out for special attention because of its poor solubility in water and its tendency to separate from the liquid solution. Large amounts of oil and grease in the wastewater cause blockages in the collection system pipes. It decreases pipe capacity and, therefore, requires that piping systems be cleaned more often and/or some piping to be replaced sooner than otherwise expected. Grease in a warm liquid may not appear harmful, but as the liquid cools, the grease or fat congeals and causes nauseous mats on the surface of settling tanks, digesters, and the interior of pipes. Problems caused by wastes from restaurants and other grease-producing establishments have served as the basis for ordinances and regulations governing the discharge of grease materials to the sanitary sewer system. This type of waste has forced the requirement of the installation of preliminary treatment facilities, commonly known as grease traps or interceptors.

Sand can also cause a major problem in municipal sewers. As sand enters the main line of the sanitary sewer system it settles on the bottom of the pipe. The sand builds up over a period of time, stopping normal flows and a blockage is created. It also takes away the capacity of the line to handle normal flows as it was designed to.

SECTION II – Grease and Sand Reduction Requirements

1. GENERAL

All properties housing businesses or having the potential of housing a business that may contribute grease and/or sand into the municipal sewer system shall follow this policy to reduce the amount of grease and/or sand to the limit as set by City Code 10 Chapter 2 and approved by the City Council, Minnesota State Plumbing Code and the MCES Waste Discharge Rule.

2. REQUIRED REDUCTION MEASURES

A. Installation of Grease/Sand Traps or Interceptors

Both grease traps and grease interceptors remove grease from commercial or industrial waste discharges. A grease trap is usually a smaller indoor device, holding between 20 and 150 gallons and typically installed below a sink. Grease traps are usually made of steel, and are often designed as a single compartment with baffles to reduce flow and allow grease, oil or fats to separate from the wastewater. A grease/sand interceptor is usually a large pre-cast concrete or plastic tank, installed on the outside of the building, holding from 250 to 5,000 gallons and made with two separate compartments.

B. Cleaning

Grease traps/interceptors shall be cleaned on a monthly basis to help ensure proper and efficient operation. Cleaning shall consist of removal of the entire contents of the device, including grease cap and sludge pocket, and inspection of the empty device for defects and/or obstructions which would prevent proper function.

SECTION III - New Business Construction

The City Building Official shall require all **new** industrial, commercial and/or retail construction that will have or has the potential to produce greases, oils, fats or sand, to construct a Grease/Sand Interceptor on the outside of the building prior to connection to the sanitary sewer system. This line and interceptor is to be a separate line designated solely for this purpose. This will need to be done at the time of the final inspection.

SECTION IV – Existing Business

If a grease trap does not exist and upon City inspection of the sanitary sewer main and it is determined there is an excessive amount of grease, oils, fats or sand entering the municipal sewer system that has created or could create a blockage, the City Building Official shall send a notice of violation to the business owner as per City Code 10, Chapter 2, Section 10-2-14.

SECTION V - Maintenance Log and Certification

Documented records shall be maintained by the place of business, which indicates: dates of maintenance; person performing maintenance; receipts or manifest from haulers; facility manager's verification. A quarterly report shall be submitted to the City Building Official indicating regular interval maintenance has been performed. A maintenance log shall be kept in the place of business and made available at any time for inspection by the City Building Official or other duly authorized City employee.

SECTION VI - Failure to Comply

If an establishment generates wastes from grease and oil in food preparation, it may eventually encounter a maintenance problem with a plugged building sewer line. The blockage can create a sewer backup situation and ultimately a potential health problem in the establishment. If the problem is in the building sewer line, the establishment has direct responsibility for paying for the maintenance. Any excess maintenance required by the City of Andover to remove a blockage from the municipal sewer system, the establishment responsible for the backup, shall be invoiced accordingly. Will be charged per annual City fee schedule.

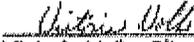
SECTION VII - Violations and Penalties as per City Code 10-2-14

1. Notice of Violation: Any establishment found to be violating any provision of this chapter shall be served by the City Building Official with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.
2. Violation; Penalty: Any establishment who shall continue any violation beyond the time provided for in the written notice shall be guilty of a misdemeanor and upon conviction thereof, shall be punished according to prevailing state laws. Each day in which any such violation shall continue shall be deemed a separate offense.
3. Liability for Violation: Any establishment violating any of the provisions of this policy shall become liable to the City for any expense, loss or damage incurred by the City by reason of such violation.

Adopted May 5th, 2007

Attest

CITY OF ANDOVER


Victoria Volk - City Clerk


Michael R. Gamache - Mayor

