

Technical Appendix #1

Grease Guide

GUIDANCE FOR FOOD SERVICE ESTABLISHMENT GREASE CONTROL SYSTEMS

INTRODUCTION:

The Town of Hampden(owner of the sewer collection system) and City of Bangor(owner of the publicly owned treatment works,), being recognized as the “Authority Having Jurisdiction” as described in the Maine Uniform Plumbing Code (MUPC) holds the following:

This document and all authority for requirements and recommendations set forth herein are based on and derived from Chapter 252 “Sewer Use Ordinance” of the Code of the City of Bangor (SUO) and the Maine Uniform Plumbing Code (MUPC). The intent of this document is to support those provisions of the City of Bangor Wastewater Treatment Plant Sewer Capacity Management Operations and Maintenance (CMOM) program that protect the environment and the Town of Hampden sewer collection system/City of Bangor wastewater treatment plant by reducing the discharge of fats, oils, and greases (FOG) to the sewer system. By following the guidelines contained herein, those affected users of the Town of Hampden Sewer collection system should be able to achieve and maintain compliance with the Bangor SUO.

The Town of Hampden makes available a supporting informational document “Fats, Oils & Grease Best Management Practices Manual” on-line, as a technical appendix to the Sewer Ordinance and at the Hampden Town Office and the City of Bangor Wastewater Treatment Plant.

APPLICABILITY:

The requirements and recommendations contained in this guidance document are applicable to all food service establishments including the following examples:

- A. New construction;
- B. Interior remodeling of kitchen and/or to accommodate expansion;
- C. Changes of ownership/occupancy, or use;
- D. Facilities which may be experiencing difficulty achieving compliance with the provisions of the Bangor SUO, MUPC or other provisions of the Bangor CMOM program.

GENERAL REQUIREMENTS:

- 1). All food service establishments including but not limited to all licensed victualers, commercial kitchens, soup kitchens, institutional kitchens, cafeterias, educational institutions, bakeries, private clubs and organizations are required to install and maintain properly sized grease control devices.
- 2). Only grease control systems and/or devices approved by the State of Maine, or the Town of Hampden shall be installed.
- 3). Plans, specifications and design calculations for proposed grease control systems and/or devices shall be prepared and stamped by a professional engineer currently registered in the State of Maine and submitted to the Town of Hampden Code Enforcement Division for review.

SELECTION/INSTALLATION OF GREASE CONTROL SYSTEMS:

All permitting and approval of installation of grease control systems shall be completed in accordance with the Town of Hampden Ordinances regulating all such activity. Users should consult with the Code Enforcement Division prior to beginning any such process or related activities.

Approved grease control systems include hydro-mechanical (pretreatment only, except as existing) and gravity grease interceptors, as well as any alternative grease control device approved by the State of Maine or the Town of

Hampden. Selection of type of system shall be predicated upon the ability of the system to meet the requirements of the Bangor SUO and stated goals of the Bangor CMOM program, and be subject to approval by the Hampden Code Enforcement Officer.

All such systems shall be properly sized in accordance with the provisions of the MUPC.

The following specifications shall be incorporated into any grease control system design, unless otherwise approved by the Code Enforcement Officer:

- 1) Wastewater discharged to grease control systems shall be of a temperature and volume that does not cause short circuiting of the system.
- 2) All grease bearing waste streams such as three bay sinks, pot/pan sinks, soup kettles, hand wash sinks, dishwashers, mop sinks and floor drains should be routed through an appropriate grease control system. Waste streams from garbage disposals, grinders or macerators must not be routed through any grease control system except as approved by the Hampden Code Enforcement Officer. Any "clear waste" discharge as from ice machines or drinking fountains may be routed to raised floor drains that are at least 2 inches above the finished floor that discharge directly to the sanitary sewer.
- 3) All grease control systems shall incorporate a "sample point" adequate for the collection of wastewater sample at the discharge point from the system (subject to approval by the Superintendent of the Wastewater Treatment Plant).

GENERATOR (OWNER OF FOOD SERVICE ESTABLISHMENT) RESPONSIBILITY:

All generators are responsible to comply with the provisions of the Town of Hampden Sewer Ordinance, City of Bangor Sewer Use Ordinance, Maine Uniformed Plumbing Code, and all other applicable ordinances, standards and laws. The Wastewater Treatment Plant has established, in accordance with state and federal law, a "Local Limit" for the discharge of oil & grease that applies to all industrial and commercial users of the Sewer System. Local Limits are enforceable under the provisions found in the SUO.

The generator is responsible for maintaining the grease control system in a condition that ensures proper and effective operation including inspections, cleaning, repairs and replacement. Any such system must be maintained in such a way as to conform to the objectives of the CMOM program, Local Limits and protect the environment and infrastructure of the Town of Hampden and City of Bangor. Detailed maintenance recommendations can be found in the City of Bangor "Fats, Oils & Grease Best Management Practices Manual" available on-line, as a technical appendix to the Sewer Ordinance and at the Hampden Town Office and the City of Bangor Wastewater Treatment Plant.

The generator is responsible to keep and maintain all records of maintenance and service on-site for a period of 2 years. The generator will submit copies of such records to the Town of Hampden Clerks at the time of Victualer License Application or Renewal. All generators will provide copies of maintenance records to inspectors from the Town of Hampden or City of Bangor upon request.

Prior approval from the Wastewater Treatment Plant must be secured for adding enzymes, solvents, and/or emulsifiers as these will only serve to change the form of grease, allowing it to discharge from the grease control system and be deposited to the public sewer system.

EXISTING SYSTEM CLAUSE:

Generators with existing grease control systems in place that are operated and maintained as per the requirements of MUPC and the standards set forth in this document; may continue to operate said systems until such time as new construction, interior remodeling of kitchen and/or to accommodate expansion, change of ownership/occupancy or use, or difficulty achieving compliance with the provisions of the Bangor SUO, MUPC or other provisions of the Bangor CMOM Program.