

SUMMARY OF GREASE INTERCEPTOR (GI) REQUIREMENTS UNDER THE CITY OF MUSCATINE SEWER USE REGULATION (SUR)

Fixtures to connect to grease interceptor:

- Sinks used for washing pots, pans, dishes, cutlery, kitchen utensils, including pre-rinse sinks
- Self cleaning exhaust hood drains
- Commercial cooking equipment that discharges oil and grease (i.e. woks, soup kettles, tilt kettles, etc.)
- Garbage compactors that discharge oil and grease
- Other grease bearing fixtures

DO NOT connect toilets, urinals, hand sinks or equipment such as potato peeling equipment

Automatic Dishwashers:

- Must be connected to a GI in operations that commence on or after August 01, 2005
- Optional to connect to a GI for businesses in operation prior to August 01, 2005
- Account for additional flow from dishwasher in GI sizing calculation
- Ideally a dishwasher will discharge to a separate GI (although not a requirement in SUR)

Floor Drains:

- Must be connected to a GI (or be capped) in operations that commence on or after August 01, 2005
- Optional to connect to a GI for businesses in operation prior to August 01, 2005
- Account for additional flow from floor drains in GI sizing calculation

Grease Interceptor Sizing Recommendations:

- Calculate 100% of the volume of all grease bearing fixtures that will drain simultaneously into the GI
- Assign a 1-minute drain time for sinks

Flow Control Fitting:

- Sized to limit the flow to the GI to a rate that is no more than the rated capacity of the GI
- New installations (on or after August 01, 2005): internal non-removable, integral in design or external vented
- Older installation (on or before August 01, 2005): internal removable is permitted
- Head pressure: If the height above the GI is > 4.5 feet, flow control fitting must account for head pressure

Accessibility:

- GIs installed on or after August 01, 2005 must be easily accessible for maintenance and inspections

Sampling Point:

- Required on all GIs installed on or after August 01, 2005
- Installed at the outlet of the GI or downstream of GI but upstream of any other discharge
- Must be same diameter as grease interceptor outlet pipe
- Must be installed so that it opens at right angles to and vertically above the sewer pipe

Stamping/Labeling:

- Permanently affixed stamp or label indicating rated capacity required on all GIs installed on or after August 01, 2005 (if not feasible, installation drawings required to be kept on site indicating rated capacity)

Additional Information**Clean Outs / Solids Separator**

- Although not required in the SUR, it is strongly recommending (clean out installed just upstream of any nonremovable flow control fittings/solids separator installed just downstream of any pre-rinse sinks)

This document is intended to provide those involved with grease interceptor installation with general guidance as to the CRD requirements. This document does not replace the code of practice or Sewer use Bylaw. Please contact the CRD Environmental Services for a complete copy of the bylaw and/or Code of Practice.

Municipal Contacts

Contact the appropriate municipality for additional municipal requirements:

City of Muscatine Building & Zoning Department (563-263-4141)

Plumbing Inspector: Rich Jones

Health Inspector: Joe Hagerty

City of Muscatine – Water Pollution Control Plant (563-263-2752)

Environmental Coordinator: John Koch