



Sioux City Wastewater Treatment Plant
 3100 S. Lewis Blvd.
 Sioux City, IA 51106
 (712) 279-6987



Grease Control Mechanism Sizing Proposal

Date: _____

Facility Name: _____

Address: _____ City/Zip: _____

Facility Contact Name and Title: _____

Phone: _____ Email: _____

Contact Address (If different): _____

Plumbing Contractor: _____

Completed By: _____

**Must be completed by a Licensed Plumber/Professional Engineer with Facility Contact assistance.*

Type of Food Service Establishment (FSE):

- | | |
|--|---|
| <input type="checkbox"/> Full-Service Restaurant | <input type="checkbox"/> Assisted Living/Nursing Facility |
| <input type="checkbox"/> Single Service Kitchen | <input type="checkbox"/> Grocery |
| <input type="checkbox"/> School/Daycare | <input type="checkbox"/> Church |
| <input type="checkbox"/> Other: _____ | |

Grease Trap Size- Must be 20-55 gallons per minute.

Grease Interceptor Size – Must not be less than 500 gallons.

1. Peak meals per hour+

- a. Seating capacity of FSE: _____
- b. Occupancy of FSE: _____
- c. *Seating or occupancy x meal factor = Peak meals per hour*
 *-Church: Include all area(s) used for meal service
 *-Assisted living/nursing facility: equal to max number of res. (Per state license)
 *-Schools: Average meal count/hours kitchen is in operation

+ Food Service Establishment (FSE) Meal Factor	
FSE + Capability of To-Go, Drive-Thru or Catering -----	1.33
FSE-----	1.00

Disclaimer: If it is found that alterations to the final plans submitted to the Utilities Department have been made, this approved size is considered null, and void and a new sizing proposal must be filled out prior to installation. If the approved GCM is not purchased or installed within 6 months of the approval date on this document, this sizing proposal is considered null and void and updated plans must be verified and a new sizing proposal may need to be completed prior to installation.

2. Waste flow rate, gallons of flow

- a. Commercial, equipped kitchen with dishwasher and 1 garbage disposal* -----7
- b. Commercial, equipped kitchen with dishwasher, no garbage disposal*-----6
- c. Commercial, equipped kitchen with no dishwasher, 1 garbage disposal*-----6
- d. Commercial, equipped kitchen with no dishwasher, no garbage disposal-----5
- e. Single service kitchen**-----2

*-each additional garbage disposal or dishwasher add 1 gallon factor

**-Single service kitchen = No garbage disposal, no dishwasher, minimal usage; disposable dinnerware; warming of pre-cooked food

3. Retention time, hours

- a. Commercial kitchen-----2.5
- b. Single service kitchen-----1.5

4. Storage factor

- a. Commercial kitchen up to 8 hrs. of operation-----1
- b. Commercial kitchen up to 16 hrs. of operation-----2
- c. Commercial kitchen up to 24 hrs. of operation-----3
- d. Single service kitchen-----1.5

Peak Meals/Hour X	Waste Flow X	Retention X	Storage Factor	=	Calculated Size (Gallons)
				=	

Proposed installation size is as follows: _____

The following must be submitted for an official sizing request:

- Completed *Grease Interceptor Sizing Proposal*
- Current Kitchen plumbing blueprint
- Current Kitchen equipment list
- FSE site plan showing seating capacity OR square feet/occupancy
- Verification of current Grease Interceptor size by a professional engineer or licensed plumber (if applicable)

Final Approved GCM Size: _____

Signature of Approval: _____ Date: _____

Submit above to:

Brooklyn Barnett, Pretreatment Coordinator, WWTP FOG Program

(712) 279-6191 (fax) or FOG@sioux-city.org