



Des Moines Metropolitan Wastewater Reclamation  
 3000 Vandalia Road  
 Des Moines, IA 50317  
 (515) 323-8000  
[www.dmmwra.org](http://www.dmmwra.org)

**Grease Interceptor Sizing Proposal**

Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

Contact Name and Title: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Contact Address (if different): \_\_\_\_\_

Plumbing Contractor: \_\_\_\_\_

**Type of Food Service Establishment (FSE)**

- Full Service Restaurant       Assisted Living / Nursing Facility       Other: \_\_\_\_\_
- Single Service Restaurant       Grocery
- School / Daycare       Church

**Grease Interceptor Sizing (Uniform Plumbing Code 2003, Appendix H)**

1. Peak meals per hour
  - a. Seating capacity of FSE \_\_\_\_\_
  - b. Occupancy of FSE \_\_\_\_\_\*
  - c. Seating or occupancy x meal factor of 1.3 (45 minute meal) = Peak meals per hour
- \* Church: include all area(s) used for meal service
- \* Assisted Living / nursing facility: equal to maximum number of residents (per State license)
2. Waste flow rate, gallons of flow
  - a. Commercial, equipped kitchen with dishwasher & one garbage disposal\*      7
  - b. Commercial, equipped kitchen with dishwasher, no garbage disposal      6
  - c. Commercial, equipped kitchen with no dishwasher, one garbage disposal\*      6
  - d. Commercial, equipped kitchen with no dishwasher, no garbage disposal      5
  - e. Single service kitchen\*\*      2
- \* Each additional garbage disposal, add one (1) gallon
- \*\* Single service kitchen = no garbage disposal, no dishwasher and all service is single use
3. Retention time, hours
  - a. Commercial kitchen      2.5
  - b. Single service kitchen      1.5
4. Storage factor
  - a. Commercial Kitchen up to 8 hours of operation      1
  - b. Commercial kitchen up to 16 hours of operation      2
  - c. Commercial kitchen up to 24 hours of operation      3
  - d. Single service kitchen      1.5

Peak Meals per Hour	X	Waste Flow Rate	X	Retention Time	X	Storage Factor	=	Calculated GI Size

Proposed installation is as follows: \_\_\_\_\_

**The following must be submitted for an official sizing request:**



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

**Submit above to:**  
 Jason Merk, WRA FOG Program (515) 323-8063 (fax) OR [jcmerk@dmgov.org](mailto:jcmerk@dmgov.org)  
*Working Together for Clean Water*