



Des Moines Metropolitan Wastewater Reclamation
3000 Vandalia Road
Des Moines, IA 50317
(515) 323-8000
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 Church School / Daycare

Grease Interceptor Sizing – Must not be less than the Ordinance minimum of 1000 gallons.

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) or 1.0 (intermittent-use FSEs)
= 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 12 hours of operation 1.5
 - c. Commercial kitchen up to 16 hours of operation 2
 - d. Commercial kitchen up to 20 hours of operation 2.5
 - e. Commercial kitchen up to 24 hours of operation 3
 - f. Single service kitchen 1.5

Peak Meals per Hour	X	Waste Flow Rate	X	Retention Time	X	Storage Factor	=	Calculated GI Size
								Minimum 1,000 gallons

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
- Verification of current Grease Interceptor size by a professional engineer or licensed plumber (if applicable)

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