

# **GARLAND HEALTH DEPARTMENT**

## **Construction and Equipment Standards for Food Service Establishments**

**CLASS 1**

**FOOD SERVICE ESTABLISHMENTS**



**GARLAND**

**HEALTH**

1720 Commerce St.  
Garland, TX 75040  
Phone: (972) 205-3460  
Fax: (972) 205-3505

The Garland Health Department is pleased to provide owners and operators with this comprehensive listing of structural standards for proposed food service establishments. The standards are provided for each class of establishment and are dependent upon the type of food products conveyed and the degree of preparation involved.

It is obvious that a food establishment is more likely to be maintained in a sanitary condition if the structure is properly designed, durable, and can be expeditiously cleaned. Additionally, in a properly designed establishment, food service sanitation inspections can focus on those more important items such as temperature control, food handling techniques, and general quality control rather than problems of deteriorated structures and equipment which are difficult to repair after the establishment is open for business. It is our hope that this listing of structural standards will result in a monetary savings by providing you with an establishment that can be easily and rapidly cleaned as well as durable, thereby minimizing maintenance requirements.

While we have made a concerted effort to provide the reader with as much detail as possible, we understand that questions may arise. If so, we ask that you do not hesitate to call an Environmental Health Specialist at (972) 205-3460 who will be most happy to discuss your proposed operation in detail.

We sincerely wish you the very best in your endeavor!

City of Garland  
Health Department  
Environmental and Consumer Health Division

**GARLAND HEALTH DEPARTMENT**

**CONSTRUCTION AND EQUIPMENT STANDARDS  
FOR FOOD SERVICE ESTABLISHMENTS**

**CLASS 1 - FOOD SERVICE ESTABLISHMENTS**

**A. Characteristics of Class:**

Class 1 facilities include those establishments in which foods are prepared utilizing a grill, griddle, deep fat fryer, commercial type oven, and/or any similar food preparation equipment. These establishments routinely provide their customers with reusable tableware.

**B. Examples of Class:**

Class 1 establishments include, but are not limited to, cafeterias and full service restaurants.

**C. Floor Surface Requirements:**

1. Food preparation, tableware and utensil washing, wet bar, customer service areas (including buffets) and toilet rooms must have quarry or ceramic tile floors with epoxy-containing, acid-resistant grout. Floors must have a covered floor-wall interface of four (4) inch height or greater, constructed of quarry or ceramic tile. Other floor surfaces may be used if considered equivalent and approved by the Health Department.
2. Dry storage rooms and area around mop sink must have sealed concrete, vinyl-composition tile (VCT) or equivalent floors approved by the Health Department. Floor-wall interface must be four (4) inch vinyl base coving. If dry storage area is located in kitchen or dishwashing areas, floor must be quarry or ceramic tile or equivalent.
3. Walk-in coolers must have floor surfaces as follows:
  - a. Meat, dairy products, fish, poultry, and similar time/temperature control for safety (TCS) foods: floor must be quarry or ceramic tile with epoxy grout with four (4) inch base of same floor material or equivalent as approved by Health Department.

- b. Produce, pre-packaged foods, and non-time/temperature control for safety (NTCS) foods: floor must be sealed concrete or equivalent as approved by Health Department.
4. Walk-in freezers must have sealed concrete floors or equivalent as approved by Health Department.

**D. Wall Surface Requirements:**

1. Food preparation, tableware and utensil washing, wet bar, and customer service area walls (including buffets) must be fiberglass reinforced polyester (FRP) panels, ceramic tile, brick sealed with light-colored epoxy paint, or equivalent wall surfaces as approved by Health Department. The wall surfaces must be at least eight (8) feet in height. Wall surfaces above the paneling or tile must be light colored, smooth and washable.
2. Walk-in cooler and freezer walls must be smooth, easily cleanable and capable of withstanding effects of low temperature and moisture.
3. Toilet walls must be FRP, ceramic tile, or brick sealed with epoxy paint to a minimum height of four (4) feet. Wall surfaces above the paneling or tile must be light-colored, smooth and washable.
4. Dry storage room walls must be taped and bedded sheetrock painted with light colored epoxy or enamel paint to eight (8) feet, or equivalent wall material as approved by Health Department.
5. Walls adjacent to the mop sink (if mop sink is not in area #1 listed above) must be surfaced with FRP or ceramic tile. The FRP or tile must extend from the floor to at least three feet above and on all sides of the sink.

**E. Ceiling Surface Requirements:**

1. Ceilings in food preparation, food service, bar, utensil washing, toilet room, mop sink, customer service areas (including buffets) and dry storage areas must be of light color, smooth, relatively non-absorbent, and easily cleanable. Materials should be vinyl coated panels, taped and bedded sheetrock with light-colored epoxy or enamel paint, FRP panels, or equivalent as approved by the Health Department. **Fibrous acoustical drop-in panels will be prohibited.**
2. Walk-in coolers and freezers must have ceilings that are smooth, easily cleanable, and capable of withstanding effects of low temperature and moisture.
3. Ceiling areas subject to moisture may not have wooden studs, joists, and rafters exposed.

**F. Floor Drain Requirements:**

Floor drains must be required in the following areas: toilet rooms, dishwashing area(s), customer service area(s), bars and food preparation areas. Floor drains may be waived in existing food service establishments. Floors must be graded to drain.

**G. Grease Interceptor Requirements:**

Grease interceptors must be sized according to the number of plumbing fixtures. Four fixtures will require a 250 lb. capacity grease interceptor, while more than four will require a 750 lb. capacity grease interceptor. Applicants desiring a grease interceptor smaller than 750 lb. capacity may submit engineer-sealed plans showing drawings and flow calculations which indicate a two-hour retention time. All grease interceptors must be exterior of facility. **Refer to the attached policy for details.**

**H. Sink Requirements:**

1. All Class 1 establishments must install a service (mop) sink or curbed area with a floor drain for the cleaning of mops or similar wet floor cleaning tools and disposal of mop water. This sink or curbed area must be provided with hot and cold running water. Toilets, showers, and urinals may not be used as a service sink for mop water/liquid waste disposal.
2. Handwashing sinks must be installed in food preparation areas. Additional handwash sinks must be installed in service areas and/or warewashing areas, if direct access to the handwash sink in the food preparation is blocked by a wall or equipment or not conveniently located for service area employee utilization. Handwash sinks in food preparation, service, and warewashing areas must be free-standing and equipped with at least four (4) inch wing-style handles. Handwash sinks must be installed in toilet rooms. All handsinks must be equipped with hot and cold running water.
3. A free-standing stainless steel three-compartment sink, with basins large enough to allow immersion of the largest utensil, must be installed. This sink must have hot and cold running water available to each sink basin.
4. A free-standing, stainless steel, four-compartment sink must be installed in bar areas. If glassware is sanitized in a commercial dishwasher, a free-standing, stainless steel three-compartment sink will suffice in the bar area. This sink must have hot and cold running water available to each sink basin.
5. Floor drains or floor sinks under 3-compartment sinks must be equipped with a cleanable grate or strainer if the individual sink basins do not already have screens.

**I. Waitress Stations:**

1. Waitress stations connected to food preparation or service areas, and/or used for food preparation, must meet requirements listed under Section C-1, D-1, E-1 above. All equipment must be non-corrosive metal with stainless steel food contact surfaces.
2. Waitress stations remote from food preparation or service areas, and used for non-time/temperature control for safety (NTCS) beverage preparation only, must meet the following requirements:
  - a. Vinyl composition tile (VCT) floors or equivalent as approved by the Health Department (must be non-absorbent, easily cleanable, etc.) with four (4) inch base vinyl coving;
  - b. Formica or equivalent countertops;
  - c. Shelving below countertops must be sealed, smooth, and easily cleanable.

**J. Vermin Control Requirements:**

Automatic insect control air curtains devices as approved by the Health Department must be installed on all take-out windows and receiving doors. Self-closing take-out windows must be exempt from automatic air curtain installation. All holes cut in walls and ceilings for pipes or conduit must be sealed, and door-floor clearance must not exceed one-quarter inch ( $\frac{1}{4}$ " ).

**K. Equipment Specifications and Requirements**

1. All food contact surfaces must be stainless steel, with the exception of certain approved polymer cutting boards. Baking tables may be an approved hard, close-grained wood (such as maple, walnut, mahogany, bamboo, pecan).
2. Cabinets, tables, or other similar equipment made of wood, particle board, or plastic laminate must not be allowed in food preparation, processing, filling areas, utensil washing areas, or other areas subject to moisture.
3. Service counters, food packaging areas, and similar areas must be surfaced with a material that is smooth, nonabsorbent, durable, and easily cleanable as approved by the Health Department. Shelving under front customer service counters must be sealed, smooth, and easily cleanable.

4. Shelving and racks in food preparation, processing, and utensil washing areas must be commercial, food service grade, non-corrosive metal, or equivalent as approved by the Health Department. Enamel or epoxy painted (light-colored) wood shelving is acceptable in dry storage and warehouse areas.
5. Shelving and racks in walk-in coolers and freezers must be stainless steel, or epoxy coated non-corrosive metal or equivalent as approved by Health Department. Wood is prohibited as a shelving material in walk-in coolers and freezers.
6. Shelving in bars must be sealed, smooth, and easily cleanable.
7. Sneeze guards must be required on all customer self-service lines and/or buffet lines.
8. All restroom doors must have self-closing devices.
9. If reusable tableware is provided for customers, a commercial dishwasher with a final rinse temperature of 180°F (conveyor style), 165°F (stationary rack style) or an approved chlorine residual must be installed. The commercial dishwasher must automatically dispense detergents and sanitizer and incorporate a visual means to verify that detergents and sanitizers are delivered or a visual or audible alarm to signal if the detergents and sanitizers are not delivered to their respective washing and sanitizing cycles.

**L. Ventilation Requirements:**

1. Ventilation hoods with grease-intercepting filters must be installed over grills, fryers, etc. and must have sufficient air velocity to capture all steam and grease emissions.
2. Areas of the establishment in which a preparation cooling table or a residential-style refrigerator are operated must be mechanically cooled to a maximum ambient room temperature of 86°F. Areas of the establishment in which a commercial-style storage refrigerator or a storage freezer are operated, which are not opened continuously, must be mechanically cooled to a maximum ambient room temperature of 100°F.
3. All toilets must have powered exhaust fans installed.

**M. Lighting Requirements:**

1. Light bulbs must be shielded, coated, or otherwise shatter-resistant in areas where there is exposed food, clean equipment, utensils, and linens, or unwrapped single-service and single-use articles.

2. An infrared or other heat lamp must be protected against breakage by a shield surrounding and extending beyond the bulb so that only the face of the bulb is exposed.
3. Light intensities must be as follows:
  - a. Working surfaces in food preparation and warewashing areas – 50-foot candles.
  - b. Handwashing areas, service areas, equipment and utensil storage, toilet rooms, and inside equipment such as reach-in and under-counter refrigerators– 20-foot candles.
  - c. Walk-in coolers/freezers, dry storage areas, and other areas and rooms during periods of cleaning – 10-foot candles.

**N. Smoking Requirements:**

Smoking is prohibited in all newly-constructed and newly-owned food establishments. Smoking is not allowed within 25 feet of any door, operable window or vent, or other opening to an indoor enclosed area. Smoking is still allowed on patios if it is not covered and has less than 40% of its perimeter closed in by walls or other coverings of any material. Food establishments must post a conspicuous sign either clearly stating “No Smoking, City of Garland Ordinance” or the international “No Smoking” symbol at each public entrance. “No Smoking” signs shall have bold lettering of not less than 1-inch in height.

### **Conditions for Issuance of Food Service Permit:**

1. Applicant must have completed all requirements specified in plan review process.
2. Applicant must have obtained approvals from Building Inspection and all other appropriate city departments.
3. Applicant must have secured a Certificate of Occupancy from Building Inspection.
4. Applicant must have completed application for Food Service Permit and paid necessary fees. The annual permit fee is \$450.00.

### **Important Notice to Food Establishment Owners and General Contractors**

*The express purpose of providing these standards and conducting comprehensive plan reviews is to ensure that a newly constructed or remodeled restaurant, convenience store, day care center, etc. is built in a manner consistent with Garland's Food Service Ordinance. Establishments **must** be constructed exactly as specified on approved plans. Any and all deviation from approved plans requires review by the Health Department. **Failure to gain approval of submitted materials and/or equipment may result in the delay of permit issuance.***



**GARLAND**  
**HEALTH**

**HEALTH DEPARTMENT POLICY**

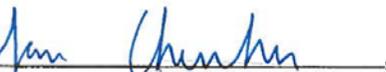
**Subject:** Grease Interceptors

**Issue Date:** November, 1994

**Approved by:**



, Managing Director of Health,  
Garland Health Department



, Director of Health,  
Garland Health Department



, Environmental Health Manager,  
Garland Health Department

**I. Construction Standards In Newly Constructed Establishments:**

All newly constructed establishments which grill, use deep fryers, in which raw meats are cooked, or which produce significant quantities of grease or dough-like material shall install grease interceptors as per the Uniform Plumbing Code (UPC). Establishments which do not produce grease or dough-like material shall not be required to install interceptors.

1. Four fixtures or less shall require a 250 lb. capacity grease interceptor.
2. More than four fixtures shall require a 750 lb. capacity grease interceptor.
3. The following will be considered fixtures:
  - a) each utensil sink (not each compartment)
  - b) each preparation sink
  - c) each dishwasher
  - d) each mopsink
  - e) all floor drains will be considered as one fixture
  - f) handsink(s) will be considered as one fixture (due to the small volume of grease discharged by employee handwashing)
4. Non-greasing producing fixtures shall not be counted in calculating fixture numbers (e.g. hub drains collecting condensate or post-mix machine drainage, ice machine effluent, hand sinks in restrooms, produce market fixtures, etc.).
5. All grease interceptors shall be located exterior of the establishment.

**II. Changes In Ownership**

1. If, during a plan review, a smaller than 100 lb. interceptor is discovered, a 250 lb. interceptor shall be installed.

2. No establishment shall be allowed to maintain indoor grease interceptors. All interceptors shall be exterior to the building.
3. Applicants desiring a grease interceptor smaller than the one sized by the Health Department may submit engineer-sealed plans showing drawings and flow calculations which indicate provision of two hour retention time. Smaller grease interceptors may be approved on a case by case basis if the establishment prepares non-grease producing foods only.
4. Existing establishments with functional exterior two-compartment interceptors (greater than 100 lb. capacity) with five or more fixtures may be exempted from the 750 lb. interceptor requirement provided that:
  - a. The previous tenant had no history of sewage backups or public sewer line blockages.
  - b. The anticipated meals per day volume and grease-produced volume is low and roughly equal to the previous tenant. (Meals per day in excess of 150 should be considered in need of an interceptor).
  - c. The Environmental Health Specialist places the current permit holder on a mandatory grease interceptor pumping frequency (hire a permitted liquid waste hauler to pump the interceptor every 60, 90, 120 days and retain manifests for Health Department review).
5. If at any time the Health Department believes that a food establishment's grease interceptor has insufficient capacity to prevent sewer backups or public sewer line flow restrictions, the permit holder shall be required to install equipment specified in the Uniform Plumbing Code (UPC) within a reasonable length of time (e.g. 30-120 days).

### III. Pumping and Cleaning

1. All grease interceptors must be cleaned/pumped by a licensed waste hauler.
2. The waste hauler must furnish establishment with a City of Garland manifest or trip ticket.
3. For inspection, the establishment must maintain these manifests or trip tickets for a minimum of two (2) years.
4. The interceptor must be pumped empty at a frequency not to exceed six (6) months.
5. Waste grease can never be present in the second chamber of the interceptor at a depth greater than three inches and no packed grease greater than one inch at the City of Garland discharge side will be allowed

Revision Date: April 11, 1995  
May 2, 1996  
June 18, 1996  
March 1, 1998  
December 31, 1999  
January 26, 2011  
January 7, 2013

**GARLAND HEALTH  
DEPARTMENT  
FORMS**



# FOOD SERVICE PERMIT APPLICATION

1720 Commerce Street  
Garland, TX 75040  
(972) 205-3460  
(972) 205-3505 Fax

Mailing Address  
Health Department  
P.O. Box 469002  
Garland, TX 75046-9002

OFFICE USE ONLY	
Fee:	_____
Permit:	_____
Class:	_____ Area: _____
Issue Date:	_____
Exp. Date:	_____
<input type="checkbox"/> Renewal <input type="checkbox"/> Mgr. Chg. <input type="checkbox"/> New	
RECV'D BY/RECEIPT #:	

## BUSINESS INFORMATION

Business Name: \_\_\_\_\_

Business Address: \_\_\_\_\_ Zip: \_\_\_\_\_

Business Phone: \_\_\_\_\_ Total Number of Employees \_\_\_\_\_

Business Email Address: \_\_\_\_\_

Corporate Name: \_\_\_\_\_

Corporate Mailing Address: \_\_\_\_\_

If manager is not business owner, list name(s), address(es), and phone number(s) of owner(s), franchise holder(s), corporate supervisor(s), area manager or other responsible party:

Where would you like this application to be mailed to next year, Corporate or Business Address?

## MANAGER INFORMATION

*Corporate representative cannot sign for the local store manager.  
Permits will not be issued with corporate signature.*

ALL INFORMATION IN THIS SECTION MUST BE COMPLETED. FAILURE TO COMPLY MAY DELAY ISSUANCE/RENEWAL OF PERMIT.

Manager's Name: \_\_\_\_\_

Manager's Home Address: \_\_\_\_\_

Manager's Home Phone: \_\_\_\_\_

Manager's Email Address: \_\_\_\_\_

Date Manager Was Employed At Present Store: \_\_\_\_\_

Texas Driver's License #: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

Race: \_\_\_\_\_ Sex: \_\_\_\_\_

Manager's Normal Weekly Schedule: \_\_\_\_\_

*I certify that the information provided above is complete, true and accurate to the best of my knowledge. I will also abide by all provisions of the City of Garland Health Code to the best of my ability.*

Manager's Signature: \_\_\_\_\_ Date: \_\_\_\_\_



# Registered Food Service Manager Application



**GARLAND**  
HEALTH

1720 Commerce Street  
Garland, TX 75040  
(972) 205-3460  
(972) 205-3505 Fax  
EnvHealth@GarlandTX.gov

Mailing Address  
Health Department  
P.O. Box 469002  
Garland, TX 75046-9002

## HEALTH DEPT. OFFICE USE ONLY

Fee: \$30.00

Area: \_\_\_\_\_

PT#: \_\_\_\_\_

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

Exp. Date: \_\_\_\_\_

Recd By/Receipt #: \_\_\_\_\_

## BUSINESS INFORMATION

Business Name: \_\_\_\_\_

Business Address: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Business Phone: \_\_\_\_\_

Business Email: \_\_\_\_\_

ALL INFORMATION IN THE SECTION BELOW MUST BE COMPLETED. FAILURE TO COMPLY MAY DELAY ISSUANCE OF PERMIT.

## APPLICANT INFORMATION

Applicant Name: \_\_\_\_\_

Applicant Home Address: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Applicant Email Address: \_\_\_\_\_

Applicant Home Phone: \_\_\_\_\_

Driver's License # and State: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

## CERTIFICATION TRAINING INFORMATION

(ALL APPLICATIONS MUST BE ACCOMPANIED BY A COPY OF THE CARD ISSUED TO YOU BY THE STATE OF TEXAS)

Manager Certification Training was provided by: \_\_\_\_\_

Date Course Was Completed: \_\_\_\_\_

I hereby certify that the above information is true and accurate.

\_\_\_\_\_  
Applicant Signature

\_\_\_\_\_  
Date