



Durham County Engineering & Environmental Services Department
Utility Division

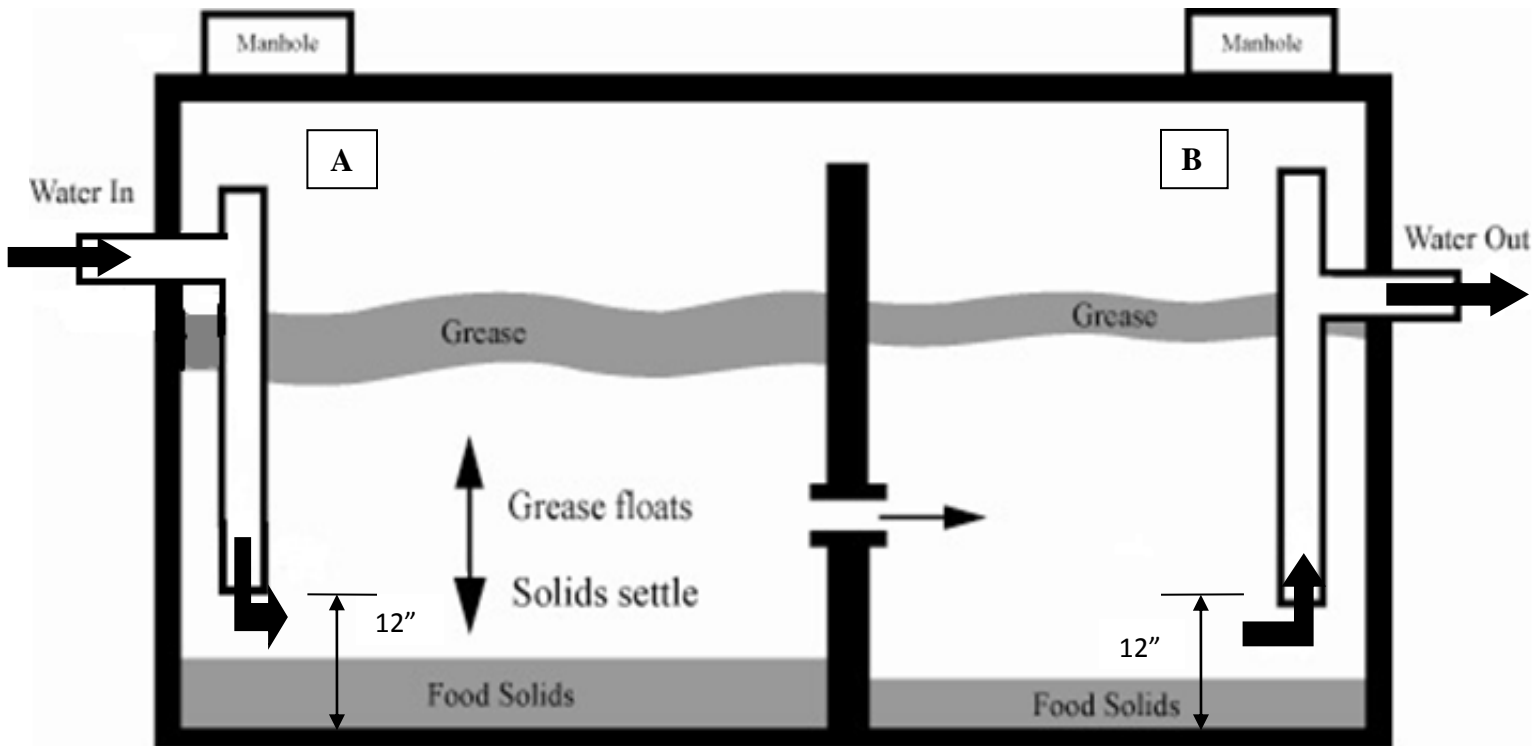
Grease Interceptor/Trap Installation Requirements

The following are the minimum requirements for the installation of a grease interceptor/trap:

- The section of Durham County Sewer Use Ordinance that pertains to grease interceptor/traps can be found at the following link: http://www.durhamcountync.gov/departments/ceng/FOG_Page.html
- A 1,000 gallon grease interceptor/trap for all new food establishments. Please refer to the Durham County Sewer Use Ordinance Section 26-102 (c)(2) for the calculations to determine if a larger grease interceptor/trap is needed.
- If the grease interceptor/trap could be driven on, then the grease interceptor/trap must be traffic rated (H-20).
- A monitoring manhole shall be installed downstream of the grease interceptor/trap and prior to joining the sanitary waste line.
- The grease interceptor/trap shall be plumbed to receive waste associated with food handling only. No toilet waste. The following shall not be discharged into any fats, oil, and grease removal system, unless specifically authorized in writing by the POTW director:
 - a) Waste that does not contain fats, oil, grease, and that otherwise does not require treatment;
 - b) Wastewater from dish washing machines or wastewater with temperature exceeding 150°F;
 - c) Ground residue from food waste grinders and garbage disposals; or
 - d) Sanitary waste.

- The grease interceptor/trap must contain the following (See Figure 1):
 - a) Inlet (A) and outlet (B) sanitary tees must extend within 12 inches of the bottom of the trap and above the water surface to provide air relief.
 - b) The outlet tee must be at least 6 inches in diameter.
 - c) Access manholes, with a minimum diameter of 24 inches, shall be provided over each chamber and sanitary tee. The access manholes shall extend at least to finished grade and be designed and maintained to prevent surface water infiltration. The manholes shall also have readily removable covers to facilitate inspection and grease removal.

Figure 1. Minimum Grease Interceptor/Trap Requirements



Tank Leakage Testing.

After installation, the tank is to be hydrostatically tested for leakage. The procedure is as follows:

1. Fill the grease trap with water up to the outlet pipe invert elevation.
2. Allow time for the water level to stabilize to ensure no water is going out of the outlet or being absorbed into the concrete, typically 24 hours.
3. Contact County Engineering Utility Division to schedule an inspection at (919) 560-9033.
4. During the initial inspection, using a tape measure, measure from the lid of the access hatch down to the water level.
5. Record reading and mark the location on the lid where the measurement was taken.
6. Place covers back onto access hatches for safety and to reduce evaporation losses.
7. Wait 24 hours or more.
8. During the follow-up inspection, remove access hatches and measure from the same lid on the mark placed previously to the water level.
9. Record reading.
10. Calculate the difference or change in water elevation.
11. If there is less than 1/8" change, sign and date the readings and provide a copy to engineer/owner and inspector.
12. If there is a change greater than 1/8" in the elevation, drain the tank and inspect for leaks.
13. Repair / Seal any leaks and all joints where leakage may occur.
14. Repeat these steps until a final test has been completed with less than 1/8" drop in water level.
15. The Engineering Utility Division Utility staff must witness the passing leakage test.