

From POWTS Plan Reviewer Teleconference of 11/13/01

Grease Interceptors – Jim Miller explained when grease interceptors are required with POWTS installations.

Miller referred us to the following website for plumbing Q&A @ www.commerce.state.wi.us/SB/SB-PlumbingDatabaseReport.html for further information.

82.34.5 6/29/01

Is a grease interceptor required for an "auto fry"?

An auto fry is defined as an enclosed, ventless, self contained individual-serving deep fryer. A grease interceptor is not required where only one auto fry is installed.

82.34.5 7/30/01

Topic Where are grease interceptors required?

- ◆ *Day Care:* Licensed for more than 9 children.
- ◆ *Restaurants:* Only exception is when food is served on paper plates and spatula is only utensil for frying food.
- ◆ *Elderly housing:* Main kitchen. Community rooms if more than one-compartment sink is installed.
- ◆ *Church:* Two compartment sink or larger.
- ◆ *Fire Stations:* Nine or more station employees requires grease interceptor. *Break rooms:* When more than 2 compartment sink is installed and more than a stove and dishwasher.
- ◆ *Camp:* Same as church. More than two compartments requires interceptor. *CBRF:* 9 or more residents requires interceptor.
- ◆ *Town Hall:* Two or more compartments requires grease interceptor.
- ◆ *Fast food:* Pizza machine = No, hot dog machine = No, Meat slicer = Yes, Presliced meats = No, Meatball, chicken bar-b-que, soups = Yes.
- ◆ *Grocery store meat department:* Requires interceptor.
- ◆ *Bakery:* Requires grease interceptor.
- ◆ *Schools:* Home Economics room = No. Main kitchen = Yes.
- ◆ *Prison:* Same as school.
- ◆ *Custard, ice cream stand :* No grease interceptor required for only ice cream or custard.

- ◆ If it is not known whether or not the occupants of a building will produce greasy wastes, ask for a letter from the building owner regarding the cooking activities in the building.

- * ◆ With new buildings, exterior grease interceptors must be used when an interceptor is required.

- * ◆ When can the capacity of the grease interceptor be added to the capacity of a septic or holding tank? Only when approved by the department. Past practice has allowed this only when an existing structure cannot or it's very impractical to separate the waste streams. It is reported that some pumpers have had problems disposing of the combined wastes due to the high grease content. Kaminski indicated that he is meeting with representatives of the Liquid Waste Carriers Association next week and will raise the disposal issues with them and get back to the rest of the review team.

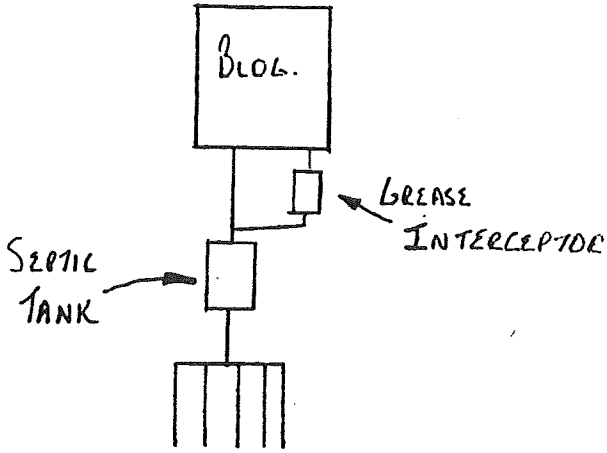
- ◆ Interior grease interceptors are only allowed when a petition for variance is approved, otherwise, exterior interceptors must be installed.

Further questions can be referred to Jim Miller or any plumbing reviewer.

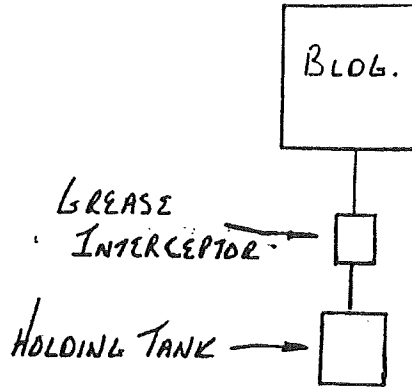
* VERIFIED W/ MILLER 2/17/03

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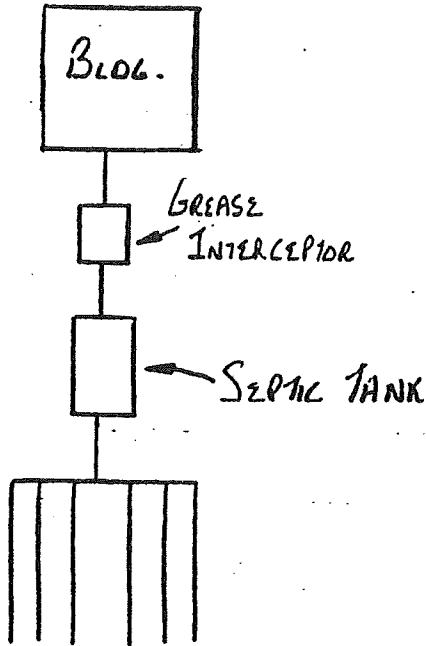
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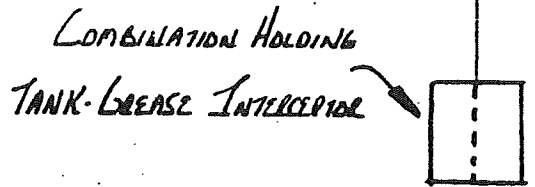
GEN. PLB. WILL REVIEW



PRIVATE SEW. WILL REVIEW

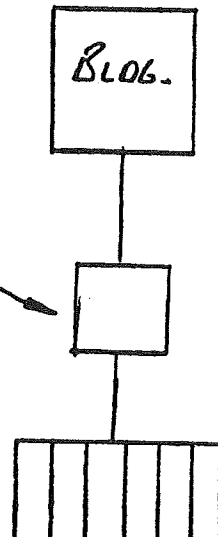


PRIVATE SEWAGE WILL REVIEW



PRIVATE SEWAGE WILL REVIEW

COMBINATION SEPTIC TANK AND GREASE INTERCEPTOR



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APR 24 1987

Exterior grease interceptor plan review

The submission for review of exterior grease interceptor plans can be confusing.

The exterior grease interceptor rules are code requirements that are addressed in both general plumbing and private sewage chapters (ILHR 82 and 83).

ILHR 82.34 (5) requires that all greasy wastes pass through a grease interceptor prior to discharging to a private sewage system.

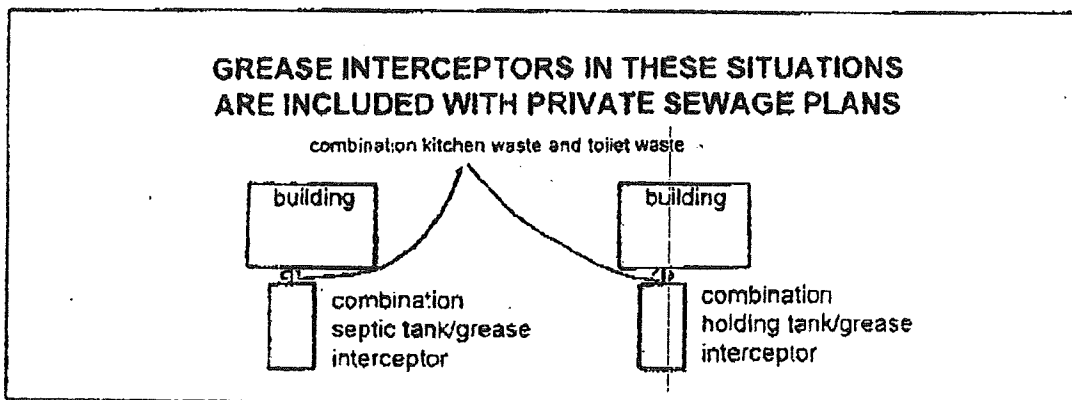
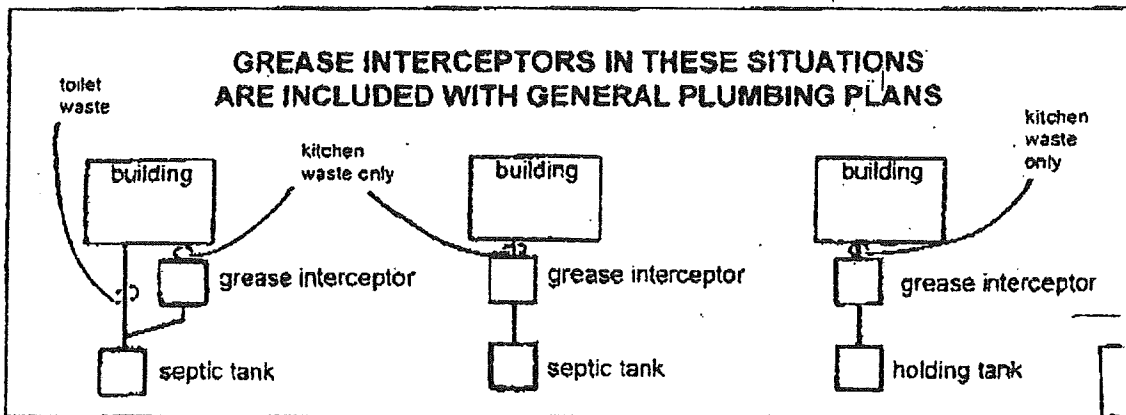
The same paragraph allows the combination of greasy and sanitary wastes when approved by the department. The department may approve the combination tanks when separation of existing kitchen wastes from sanitary wastes is very difficult. Each project is reviewed independently and an onsite inspection of the building may be required.

While private sewage staff review septic tanks, general plumbing staff review interior and exterior grease interceptors. So where should you send plans with a combined septic tank, or holding tank and grease interceptor?

Whenever the tanks serve a dual purpose (grease interceptors/holding tank or septic tank), a private sewage reviewer does the review.

If you have questions about the design of grease interceptors, call a general plumbing or private sewage system plan reviewer, wastewater specialist, or general plumbing consultant. All are listed on page 2 of this WPCR.

The following illustrations show "who reviews what":



Post-It Fax Note	767	Date: 3/3/04	# of pages: 1
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