



## **GNHWPCA Grease Trap/Interceptor Installation Requirements**

Food Preparation Establishments (FPE's) that discharge wastewater to the Greater New Haven Water Pollution Control Authority (GNHWPCA) system must comply with the State of Connecticut's Department of Environmental Protection (DEP) "General Permit for the Discharge of Wastewater Associated with Food Preparation Establishments" that became effective September 30, 2005.

The CT general permit seeks to reduce Fats, Oils, and Grease from entering the public wastewater system from Class III or IV food service establishments through the use of:

- Outdoor In-Ground Grease Trap/Interceptor (1,000 gallon minimum), or
- Automatic Grease Recovery Unit (AGRU)

There are other requirements for Class III and IV FPE's that are defined in the State of Connecticut General Permit.

**All existing FPE's must comply with this permit by July 1, 2011**

**Immediate compliance is mandatory for:**

- **New Food Preparation Establishments**
- **FPEs that change ownership**
- **FPEs that complete renovations in excess of \$20,000**

**The following are requirements of the GNHWPCA:**

1. Prior to installation:

In-ground Grease Trap/Interceptor:

Engineering drawings (site plans and/or utility plans showing the connection to the sewer and the location of the grease trap/interceptor) prepared and signed by the FPE's CT licensed professional engineer must be submitted to the GNHWPCA Engineering Department for review and approval. The FPE is also required to submit sizing calculations demonstrating that the unit chosen is adequate for the FPE's use.

A GNHWPCA permit will be required for the installation of an in-ground grease trap/interceptor.

The GNHWPCA requires the installation of a backwater valve and a cleanout downstream from the grease trap/interceptor. Grease trap/interceptor shall be installed on 8" of bedding material, Item 305, per GNHWPCA Standards.



1. Prior to installation: (continued)

Automatic Grease Recovery Unit (AGRU):

The FPE is required to submit sizing calculations for review by the GNHWPCA's Industrial Pretreatment Department (IPP) Coordinator. The sizing calculations must be consistent with the Fixture-Based Method found in the Connecticut Department of Environmental Protection's Sizing Criteria, and may be prepared by the AGRU's distributor. The IPP Coordinator may require additional documentation such as a floor plan.

The installation must include a sampling port located after the AGRU so that a GNHWPCA IPP inspector can take representative samples of the wastewater flow from the AGRU. It is recommended that arrangements be made for the plumber who will install the AGRU to meet with one of the GNHWPCA IPP Inspectors to discuss the requirements before the work starts.

2. Post-installation inspection:

Once the grease trap/interceptor or AGRU has been installed, a GNHWPCA IPP inspector will visit the establishment to verify that the equipment installed matches what was described in the submitted documentation. The inspector may also review the operation of the AGRU with those responsible for maintaining it.

3. Acceptance:

Once inspected by the GNHWPCA, and no discrepancies in the installation are found, the GNHWPCA IPP Coordinator will recommend to the GNHWPCA Director of Operations that the installation be accepted as compliant with regulatory requirements. Copies of the signed verification form will be provided to the FPE and the local health department.

Local health departments will not approve a FPE's Food Service Application until they have received verification from the GNHWPCA that the FPE is in compliance with the general permit.

Note:

- a. The GNHWPCA does not size or approve grease trap/interceptors or AGRUs. After reviewing the submitted documentation, the GNHWPCA only acknowledges that the equipment has been appropriately sized by the owner or its representative.
- b. The GNHWPCA does not give advice on or give approval for plumbing.
- c. Building Inspectors, Plumbing Inspectors and Health Inspectors do not approve grease trap/interceptors or AGRUs.



**Links for more information:**

GNHWPCA Sewer Ordinance: [www.gnhwpc.org](http://www.gnhwpc.org)

CT DEP General Permit for the Discharge of Wastewater Associated with Food Preparation Establishments:

[www.ct.gov/dep/lib/dep/Permits\\_and\\_Licenses/Water\\_Discharge\\_General\\_Permits/food\\_prep\\_establishment\\_gp.pdf](http://www.ct.gov/dep/lib/dep/Permits_and_Licenses/Water_Discharge_General_Permits/food_prep_establishment_gp.pdf)

CT DEP Food Preparation Establishment's Guide To The General Permit For The Discharge of Wastewater Associated with Food Preparation Establishments and the CT DEP Food Preparation Establishment's Guide To Disposal of Animal Fat and Cooking Oil:

[www.ct.gov/dep/lib/dep/water\\_regulating\\_and\\_discharges/industrial\\_wastewater/resourceguide.pdf](http://www.ct.gov/dep/lib/dep/water_regulating_and_discharges/industrial_wastewater/resourceguide.pdf)

**GNHWPCA Contacts:**

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Industrial Pretreatment Coordinator:	Jesse Whitemore Industrial Pretreatment Coordinator CH2M HILL OMI 345 East Shore Parkway New Haven, CT 06512 Tel: 203-466-5277, x1006 Cell: 203-410-1629 Fax: 203-466-5287 <a href="mailto:jwhitemore@omihv.com">jwhitemore@omihv.com</a>
Industrial Pretreatment Inspectors:	Art Hackenberg or Jerry Schontag Tel: 203-466-5277, ext. 1018
Permits:	Rick Hurlburt, Sewer Superintendent Tel: 203-466-5263
Project Engineer:	Ricardo Ceballos, PE Tel: 203-466-4122

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**Automatic Grease Recovery Unit (AGRU) Contact List:**

**Thermaco Big Dipper (www.big-dipper.com)**

Mitch Baser Diversified Sales Company 20 Spring Valley Road Woodbridge, CT 06525 Tel: (203) 393-2020 Fax: (203) 393-3896 divsale@aol.com	Mike Fleming Diversified Sales Company 24 Red Cedar Lane Middletown, CT 06457 Tel: (860) 347-0272 Fax: (860) 347-0272	Bender Plumbing Supplies 335 East Street, New Haven, CT Tel: 203-787-4288 Fax: 203-789-1699 Sanitrol Services Gary Heffernan Cell: 203-823-8082 Tel: 203-315-3202
<b>Highland Tank/Lowe Engineering</b> <a href="http://www.highlandtank.com/">http://www.highlandtank.com/</a> Michael Gauthier Sales Engineer 108 Londonerry Turnpike Auburn, NH 03032 Tel: (603) 647-6646 Fax: (603) 315-7465 mgauthier@highlandtank.com		

AGRUs shall be certified by a recognized third party testing agency for conformance to ASME/ANSI standards A112.14.3 and A112.14.4

<b>Renderers:</b>	
Western Mass. Rendering Co., Inc. 94 Foster Road Southwick, MA 01077 Paul Colson, Sales Tel: 413-569-6265 Fax: 413-569-6512	Restaurant Technologies Inc. (RTI) 672 Tolland Street East Hartford, CT 06108 Tel: 888-796-4997

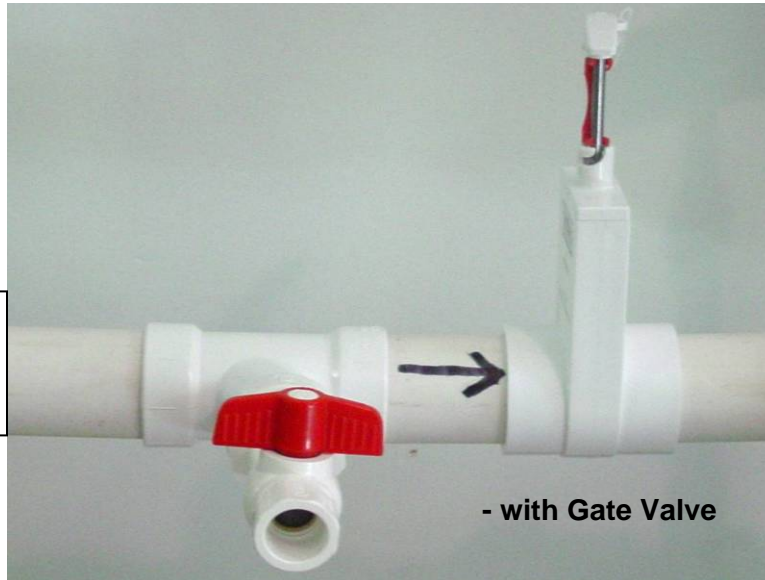
**Contacts for Collecting FOG From and Maintaining the AGRUs:**

Gary Heffernan Regional Sales Manager	Sanitrol 2400 Foxon Road North Branford, CT 06471	Tel: 203-315-3202 Cell: 203-823-8082
Len Paoella	Shoreline Industries	203-871-3000
Ken Post	Post Industries	203-261-1800
	Nustone Industries, Inc. 285 State Street, Suite 7 North Haven, CT 06473	800-996-8786 / 203-288-7481
Jim Throwe	Vans Sewer & Septic LLC 678 Sullivan Avenue South Windsor, CT 06074	860-289-0095



## Typical Installation of Sampling Valves

Discharge  
side of  
AGRU

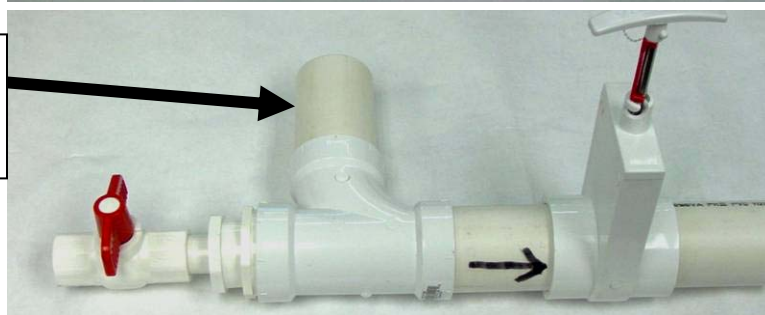


A gate valve is the  
preferred choice.

Discharge  
side of  
AGRU



Discharge  
side of  
AGRU



Also make sure the flow restrictor is installed  
(on the inlet side of the AGRU)

