



**CITY OF NEWPORT
DEPARTMENT OF PUBLIC WORKS
WATER POLLUTION CONTROL DIVISION**

STANDARDS FOR GREASE REMOVAL SYSTEMS

1. GENERAL REQUIREMENTS:

- a. All requirements of the **City of Newport Sewer Ordinance**, including the standard sewer requirements set forth herein, shall be adhered to. All eating establishments are required to complete a Grease and Solids Interceptor Application in order for a grease interceptor permit to be issued.
- b. Plans, specifications, and design calculations for proposed sanitary system(s), except for sanitary service connections, shall be submitted to the Director or their designee for review. Design calculations shall conform to a flow through rate of 15 gallons per seat per day.
- c. Plans, specifications, and calculations for sanitary sewage system(s) shall be prepared and stamped by an Engineer currently registered in the State of Rhode Island.
- d. An Order of Approval shall be obtained from the Department of Environmental Management, when applicable.

2. GREASE, OIL AND SOLIDS INTERCEPTORS: A user required to install a grease removal system may install either an outdoor passive in-ground grease interceptor or an automatic electrical / mechanical grease recovery device.

- a. In-ground grease removal systems shall have a minimum capacity of 500 gallons and shall have a capacity to provide at least a 24-hour detention period for the process flow. The process flow shall be based on a minimum of 15 gallons per seat or chair per day.
- b. The automatic electrical/mechanical grease removal unit shall be sized in accordance with the manufacturer's written recommendations. Water temperature at the influent to the unit shall not exceed 150 F.
- c. A separate suitable sampling location as approved by the Director or their designee shall be provided for sampling of the discharge from any in-ground grease removal systems. The automatic electrical/mechanical grease removal systems shall have a sampling valve

installed on the discharge piping with a minimum clearance of eight (8) inches to allow samples to be taken by representatives of the Newport Water Pollution Control Facility.

- d. Dishwasher wastewater shall not be discharged into any grease removal systems. The dishwasher wastewater shall bypass the grease removal system and discharge directly into the municipal sewer collection system, **except** that the dishwasher wastewater from the pre-rinse station **shall** discharge to the grease removal system.
- e. Food disposal or garbage disposal units shall not discharge into the automatic grease recovery system. Garbage disposal units may be installed in facilities with in-ground grease removal systems that are designed for retention of settleable solids.

3. **BACKFLOW PREVENTER:** All connections to the grease removal unit shall be equipped with a Backflow Preventer. Backflow Preventer must conform to the City of Newport's Plumbing Inspector's requirements and the Building Officials Code Administrators Basic National Plumbing Code, Article 10, Section P-1003.0.

4. **SPECIAL REQUIREMENTS:**

- a. All approvals and permits as set forth in the **City of Newport Sewer Ordinance** must be obtained prior to construction of grease removal systems.
- b. The Newport Water Pollution Control Facility shall be notified twenty-four (24) hours in advance to inspect construction and connections to the existing sanitary system.

5. **SUBMITTALS:**

- a. General: All submittals shall be submitted to:

EARTHTECH
c/o Industrial Pretreatment Program
250 Connell Highway
Newport, RI 02840

- b. Contract Drawings: Submit two (2) sets of drawings of proposed grease removal system for review.