AUTOMOTIVE FACILITY REGULATIONS

Federal regulations require publicly owned wastewater treatment operators to control the discharge of wastewater from certain businesses and industries to the sewer system. The discharge of these wastes to the sewer system can result in the generation of explosive sewer gas, increased sewer line maintenance costs, and may cause operational difficulties at the Community’s wastewater treatment facilities.

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BEST MANAGEMENT PRACTICES
(BMPs)

Automotive Repair Facilities are required to implement Best Management Practices to significantly reduce the amount of waste oil, antifreeze, and other automotive fluids that could potentially be discharged to the sewer system.

Effective BMPs include:

DO...

• Wipe up any spilled fluids
• Sweep and mop service floors
• Replace harmful solvents with aqueous cleaners or degreasers
• Recycle all waste oil
• Recycle all waste anti-freeze
• Recycle all transmission fluids
• Use phosphate free soaps/cleaners
• Use self contained solvent tank
• Maintain sand/oil interceptor
• Have a company representative present during interceptor cleaning
• Post all BMPs in service areas
• Review BMPs with employees
• Contact the Pretreatment Section at 702-668-8077 if you have questions or need assistance concerning any sand/oil interceptor issues

DON’T...

• Do not dispose of oil/grease waste down the drains
• Do not dispose of old chemicals down the drains
• Do not hose down spills to a floor drain
• Do not wait until your sand/oil interceptor is overflowing to get it cleaned
• Do not use a drain opening chemical to open a clogged drain (call a professional plumber to evaluate the situation)
SAND/OIL INTERCEPTOR REQUIREMENTS

The Clark County Building Code requires interceptors to be installed in, but not limited to, the following locations:
- car washes
- motor vehicle, boat and airplane storage yards
- gasoline and diesel service stations
- repair garages
- any private or public wash rack or slab used for cleaning machinery or machine parts
- any other similar facility which may introduce sand, oil, or hydrocarbons into the sewer system.

The interceptor is required to meet the requirements of the District’s Pretreatment regulations.

SAND-OIL INTERCEPTOR MAINTENANCE

Sand/oil interceptors must be cleaned regularly. The removal and disposal of this material should be done by a professional pumping contractor that is trained and licensed in this field of expertise. Always monitor the pumping and keep the records on-site.

Regular Cleaning Schedules
The frequency of cleaning is dependent on the loading. The higher the concentration of waste discharged to a sand/oil interceptor, the more frequently it needs cleaning.
- Interceptor cleaning will range somewhere from 30 days to every 12 months.
- Some interceptor manufacturers recommend that a new unit be cleaned at 90 days after installation to help establish the cleaning frequency.
- If cleaning is needed more frequently than every 90 days, the sand/oil interceptor is possibly undersized.

Disposal of Intercepted Materials
Sand/oil and other waste matter that has been removed from the interceptor should not be introduced into any drain, sewer, stormdrain or natural body of water.

Re-evaluate Cleaning Schedules
Regular cleaning at prescribed intervals is necessary to maintain the efficiency of an interceptor. The maintenance frequency should be re-evaluated on any system that has clogged. Changes in wastewater quantity and quality are not unusual in commercial and industrial installations.

Consequently, re-evaluations of maintenance frequencies are common practice for the pretreatment of oil-laden or hydrocarbon impacted wastewater.

Inspect Interceptor After Cleaning
After the accumulated sand/oil and waste material are removed, thoroughly check the interceptor to make certain that the inlet, outlet and air relief vents are clear of obstructions. Backups prior to scheduled maintenance intervals indicate a clogged system, which could result in an overflow. Also, the performance of the interceptor becomes impaired as sand/oil and other materials accumulate because of reduced retention time, resulting from less interceptor volume.

Properly Sized Interceptor
Oversizing the size of the interceptor can reduce the required cleaning frequency. The frequency of cleaning at any given installation can best be determined by experience based on observation. Generally, cleaning should be done when 50% of the sand/oil retention capacity has been reached. This level can be determined by removing the inlet side manhole cover, and using a probe, determining the depth of sand/oil build up.

Don’t Be a Pain in the Drain
Proper cleaning and maintenance of the interceptor must be performed on a regular schedule or the interceptor becomes fouled, allowing oils, solvents, hydrocarbons, grit and debris to pass through the device and accumulate on pipe walls, causing blockages and foul odors in the sewer system. Where installed, the owner, at his or her expense, shall maintain all interceptors to ensure continuously efficient operation at all times.