



# SLUG PREVENTION



## What is a Slug?

A wastewater slug is any substance that could cause an imbalance or obstruction in the sewer system.

## NAF Atsugi Wastewater System

Wastewater includes water from sinks, toilets, washing clothes, showering and preparing food. Wastewater is also created from industrial processes such as vehicle or aircraft wash racks, oil/water separators or boiler plant blow down water.

At NAF Atsugi, the primary domestic wastewater treatment plant utilizes a biological process known as an activated sludge to treat domestic wastewater.

East of the runway, several domestic individual wastewater treatment systems use an aerobic treatment process to treat domestic wastewater from single buildings or small clusters of buildings. There are also industrial wastewater treatment systems on base that use biological treatments to process industrial wastewater.

## Chemicals of Concern

Certain substances can interfere with the physical, chemical, and biological processes used to treat wastewater including the following:

- Acids
- Bases
- Corrosion Prevention Compounds
- Emulsifiers
- Firefighting Foam
- Oils, Fats, Greases
- Oxidizing Agents
- Pesticides
- Petroleum Products
- Pharmaceutical Medicines
- Poly Aluminum Chloride, Sodium Phosphate
- Sodium Fluoride
- Solvents

## How to Prevent Slugs

- DO NOT dispose of chemicals, cooking oil, or grease in sinks, drains or toilets
- Protect sinks and floor drains from spills.
- Ensure hazardous substances are not used near sinks or floor drains.
- Only store chemicals in containers that are approved for storage of that chemical.
- Ensure oil/water separators and grease traps are properly installed, in good working condition, and are properly maintained.
- Place drip pans under connection point and other points with the potential for leakage.