

**NORTH MARIN WATER DISTRICT
REGULATION 105
USE OF SEWER MAINS**

a. Drainage Prohibited

No leaders from roofs or surface drains for rainwater runoff shall be connected to any sewer main or side-sewer. No surface or subsurface drainage, rainwater, storm water, seepage water, water from yard fountains, ponds, lawn sprays, yard drainage, cooling water or other unpolluted commercial or industrial process water shall be permitted to enter any sewer main or side-sewer by any device or method.

b. Types of Waste Prohibited

Except as herein provided no person shall discharge or cause to be discharged any of the following described water or wastes to any sewer main or side-sewer:

- (1) Any gasoline, naphtha, fuel oil or other flammable or explosive liquid, solid or gas;
- (2) any garbage that has not been shredded to such degree that all particles shall be carried freely under the flow conditions normally prevailing in sewer mains;
- (3) any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, fat, oil, grease, or any other solid or viscous substance capable of causing obstruction to the flow in sewer mains or other interferences with the proper operation of the sewage facilities;
- (4) any water or wastes having a pH lower than 5.5 or higher than 9.0 or having any corrosive property capable of causing harm, damage or hazard to structures, equipment, personnel, or operation of the sewage facilities;
- (5) any water or wastes containing a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals or create any hazard in the sewage treatment facilities;
- (6) effluent from any industrial garbage grinder or disposal unit or any other water or wastes containing suspended solids of such character and quantity that requires unusual attention or expense for transport and treatment;
- (7) mineral oils, greases or products of a petroleum origin, petroleum oils, motor oils, cutting oils, or grease trap wastes either as grease or as emulsified grease;
- (8) any noxious, malodorous, or toxic liquids, gases, fumes, vapors or substances capable of creating a public nuisance or hazard to life or are sufficient to prevent District personnel from safely entering into the sewer facilities for maintenance and repair;
- (9) any septic tank sludge, chemical toilet wastes, waste to which chemicals have been added for odor control or preservation, or the contents of grease traps or sand interceptors;
- (10) any water or waste with a temperature greater than 150° F.

c. Pre-Treatment of Wastes

Applicant or owner shall provide necessary wastewater treatment as required to comply with this Regulation and shall achieve compliance with all federal categorical pretreatment standards within the time limitations as specified by the Federal Pretreatment Regulations. Where necessary in the opinion of the District the Applicant or Owner shall provide at his expense such pretreatment of sewage as may be necessary to:

- (1) Reduce the biochemical oxygen demand to 300 parts per million and the suspended solids to 500 parts per million by weight;
- (2) Reduce objectionable characteristics or constituents to within the limits specified by the District and the Regional Water Quality Control Board.

Plans, specifications and other pertinent information relating to the proposed pre-treatment facilities shall be submitted for approval to the District and to the San Francisco Bay Regional Water Quality Control Board and no construction of such facility shall be commenced until said approvals are obtained in writing. The review of such plans and operating procedures will in no way relieve the owner from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the District under the provisions of this Regulation. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to and be acceptable to the District prior to the owner's initiation of the changes.

d. Maintenance of Pre-Treatment Facilities

Where pre-treatment facilities are provided for any waters or wastes they shall be maintained continuously in satisfactory and effective operating condition by the owner at his expense.

e. Monitoring Facilities

The District may require to be provided and operated at the owner's expense, monitoring facilities to allow inspection, sampling, and flow measurements of the building sewer and/or internal drainage systems. The monitoring facility should normally be situated on the owner's premises.

There shall be ample room in or near such sampling manhole or facility to allow accurate sampling and preparation of samples for analysis. The facility, sampling, and measuring equipment shall be maintained at all times in a safe and proper operating condition at the expense of the owner.

f. Grease Traps and Oil and Sand Interceptors

Any type of business or establishment where grease or other objectionable materials may be discharged in unusual quantities into a public sewer system shall have a grease trap or oil and sand interceptor of a size and design to be approved by the Chief Engineer. Grease traps will be required at restaurants and other commercial and/or non-residential food preparation establishments. Oil and sand interceptors will be required at gas stations and auto repair establishments with floor drains located in service areas, auto or vehicle washing facilities, et cetera.

Oil and sand interceptors shall be situated on the owner's premises and shall be so located as to be readily and easily accessible for cleaning and inspection. Buildings remodeled for use requiring interceptors shall be subject to these regulations.

Waste discharges from fixtures and equipment in the above-mentioned types of establishments which may contain grease, oil, sand or other objectionable materials, including, but not limited to, scullery sinks, pot and pan sinks, dishwashers, food waste disposals, soup kettles, and floor drains located in areas where such objectionable materials may exist, may be drained into the sanitary waste through grease traps and oil and sand interceptors where approved by the Chief Engineer; provided, however, that toilets, urinals, washbasins and other fixtures containing fecal materials shall not flow through the grease trap or interceptor.

Grease traps and oil and sand interceptors shall be maintained by the owner in efficient operating condition by periodic removal of the accumulated grease, oil or sand. The use of chemicals to dissolve grease or oil is specifically prohibited. No such accumulated grease, oil or sand shall be introduced into any drainage piping or public or private sewer.

g. Inspection and Sampling

The District may inspect the facilities of any owner to ascertain whether the purpose of this Regulation is being met and all District requirements are being complied with. Persons or occupants of premises where wastewater is created or discharged shall allow the District or their representative ready access at all reasonable times to all parts of the premises for the purposes of inspection, sampling, records examination, records copying or in the performance of any of their duties. The District, Regional Water Quality Control Board and EPA shall have the right to set up on the owner's property such devices as are necessary to conduct sampling inspection, compliance monitoring and/or metering operations.

h. Swimming Pools

It shall be unlawful for any person to discharge contents of a swimming pool into a sanitary sewer at a rate of flow greater than 50 gallons per minute and only for the purpose of emptying the pool or backwashing the pool filter. Each swimming pool discharging to a sanitary sewer shall be equipped with an approved air gap to preclude any possibility of a backflow of sewage into the swimming pool or piping system.

i. Conservation of Water to Accomplish Flow Reduction

Each customer of the District is urged to install devices that will minimize the flow to the District's sewage facilities. Plumbing fixtures installed shall meet all requirements of state law. Replacement fixtures shall meet the requirements of Section j.(2) hereof.

j. Flow Reduction Devices and Restrictions for New Development

- (1) Sewer service will not be furnished to any Applicant unless the flow reduction devices hereinafter described are installed:
- (2) All interior plumbing in new buildings shall meet the following requirements:
 - (i) Toilets and associated flush valves shall be rated at not more than 1.0 gallon of water per flush, or be a dual flush model approved by the District.
 - (ii) Urinals and associated flush valves shall be rated at not more than 1.0 gallon of water per flush.
 - (iii) Showerheads shall have a rated flow of 2.0 gallons of water per minute or less.
 - (iv) Kitchen and lavatory faucets shall have aerators or laminar flow devices together with flow control inserts, valves, devices, or orifices that restrict flow to a maximum of 1.5 gallons of water per minute.
 - (v) Laundry facility washing machines shall be front loading / horizontal axis models with an Energy Star rating and a modified water factor of 5.5 or less.
 - (vi) Dishwashers shall be high efficiency models with an Energy Star rating that use

no more than 5 gallons per cycle.

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