



City of Chicago
Department of Public Health
2160 W. Ogden Avenue Chicago,
IL 60612

GUIDELINES FOR MARINAS

Due to the unique characteristics of the site at marina locations, it is necessary to obtain more specific information for permit reviews in most cases.

1. Application and Particulars

- a.) All the normal application procedures must be followed paying particular attention to each function that any equipment will be performing.
- b.) Manufacturer specifications and/or statements may be necessary to establish location or system components and to verify operation of equipment under certain conditions.
- c.) Special notes and explanations shall be given where applicable.
- d.) Additional statements are sometimes required to substantiate ownership or consent from authorities of jurisdiction over the waterway.

2. Site Plans and Drawings

- a.) All the normal site plan information will be necessary showing tanks, piping, vents, dispensers, property lines, buildings, sewers and setback distances from the UST system along with the dock location and configuration and any pertinent site characteristics.
- b.) Detail drawings may be necessary to show length and width of dock, type of construction, dispenser location and dispensing area along with profiles of the UST system indication differences in elevation between tanks, piping and dispensers and should show all valves, manhole, sumps, location of leak detection equipment, anti siphon devices, pressure reliefs, pipe chases, sewage lines, etc. High water, low water and normal pool elevations should also be given in relation to tanks(s), piping and dispensers.

3. Leak Detection

- a.) Leak detection is to be designed to suit the particular installation.
- b.) Double wall piping with continuous monitoring is recommended in most situations although single wall systems will suffice in cases where the characteristics of the system are not too extreme.

4. Piping

- a.) Anti-siphon devices such as solenoid valves will be required in cases where the piping slopes downward from the tanks.
- b.) A manual shutoff will be required on shore where the piping approaches the dock.
- c.) Floating docks will require flexible lines from shore to the dock. any product supply hose shall have secondary containment. Rigid piping will be required on the dock (flexible primary will require rigid secondary containment piping). Flexible connectors will be required at dock hinge points for rigid primary.
- d.) All aboveground piping is to have proper hangers or mounts and is to be protected from physical damage.

5. Fueling Equipment

- a.) Breakaway couplings will be required on dispensing hoses.
- b.) A mechanical return reel will be required for hose lengths in excess of 18 ft.
- c.) Dispenser nozzles must be of the automatic closing type and hold open clips will not be allowed.
- d.) Shear valves will be required under dispensers.
- e.) Spill containment is required under dispensers.
- f.) Collision barriers are to be installed for dispensers where necessary.

6. Other

- a.) Self service may need additional information as to location of control station., attendant, and master electrical switch and communication systems may be required for distances greater than 40 ft. to the dispensing area.