

(A) An industrial lagoon shall be designed with as many multi-purpose control structures as necessary for the purposes of drawdown, flow distribution, flow and depth measuring, sampling, and pumping.

(B) Industrial liquid waste levels shall be controlled using valves, slide tubes, or dual slide gates. Stop logs shall not be used as control structures.

(C) Control structures shall be designed to meet the following criteria:

(1) Be accessible for maintenance and adjustment of controls.

(2) Be adequately ventilated for safety and to minimize corrosion.

(3) Be tamper-proof.

(4) Be located to avoid freezing and ice damage.

(5) Be constructed of non-corrodible materials. Metal on metal contacts in controls shall be of similar alloys to discourage electrochemical reactions.

(D) Industrial liquid waste level controls and flow controls shall be designed so that they can be preset to prevent the industrial liquid waste elevation from dropping below the desired operational level.

(E) Flow controls shall be designed to be able to immediately stop flow of industrial liquid waste into the industrial lagoon.

(F) Every upground industrial lagoon shall have an overflow device to prevent overflowing during operations. The elevation of the overflow device shall be not more than 0.5 feet above the designed maximum operating pool level of the industrial lagoon. The director may approve use of a device other than an overflow device to preclude overflowing if the device will prevent the industrial lagoon from rising 0.5 feet above the designed maximum operating pool level. The overflow device shall be able to accommodate peak instantaneous flow.

[Comment: Existence of an overflow device or its alternative does not constitute authorization to discharge pursuant to chapter 6111. of the Revised Code.]

(G) Discharge structures shall be able to accommodate two hundred fifty per cent of the maximum flow.

(H) Each pipe intake and riser spillway shall have an anti-vortex device.