

**\*\*\* DRAFT – NOT FOR FILING \*\*\***

3745-511-870      Level and flow control structures.

(A) The sediment and storm water management basin system or lagoon shall be designed with as many multi-purpose level and flow control structures as necessary for the purposes of drawdown, flow distribution, flow and depth measuring, sampling, and pumping.

(B) Level and flow control structures shall be designed to meet the following criteria:

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

(2) Be located to avoid freezing and ice damage to the control structures.

(3) Be able to be preset to prevent the liquid elevation from dropping below the desired operational level.

(4) Not use stop logs.

(5) For level control structures, include valves, slide tubes, or dual slide gates.

(6) For flow control structures, be able to immediately stop flow of liquid into the sediment and storm water management basin system pond or cell, or lagoon.

(C) An above-ground sediment and storm water management basin system pond or cell, or lagoon shall have an overflow device to prevent overfilling 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 pond or lagoon. The overflow device shall be able to accommodate peak instantaneous flow. The permitting authority may approve use of a device other than an overflow device to preclude overfilling provided the applicant demonstrates that the device will prevent the liquid level from rising 0.5 feet above the designed maximum operating pool level.

[Comment: Existence of an overflow device or an alternative does not constitute authorization to discharge pursuant to Chapter 6111, of the Revised Code. Authorization to discharge is obtained through a national pollutant discharge elimination system (NPDES) permit from Ohio EPA, division of surface water.]

(D) Discharge structures shall be able to accommodate two hundred fifty per cent of the maximum flow through the sediment and storm water management basin system pond or cell, or lagoon.

(E) Any pipe intake or riser spillway shall have an anti-vortex device.