

**Owner Responsibilities for Operation and Maintenance
of Wastewater Stabilization Pond (Lagoon)**

From: Douglas County Sanitary Code, Chapter 3, Sections 12 & 13

Please review the requirements for lagoon operation and maintenance outlined below, and contact the Health Department if you have any questions regarding them. A signed copy of the Operation and Maintenance Agreement on the back of this document must accompany your Application for Construction of Single-Family Waste Stabilization Pond (Lagoon). Please retain a copy for your records and future reference.

Watering

- a. The lagoon shall be prewatered to a depth of 2½ feet.
- b. The operating water depth shall be maintained between 1½ feet and 5 feet.
- c. Roof drains may be discharged to the sewer system provided there is a control arrangement which can divert this water from the sewer system during times of high water in the pond. Water shall be added as needed.
- d. The minimum dike freeboard shall be 2½ feet.

Outflow Pipe

The outflow pipe shall terminate about 1 foot from the center of the bottom of the pond. An extension shall be provided which will allow discharge of sewage at that point.

Fencing

- a. Fencing shall be installed to a minimum height of 4 feet. Corner posts shall be of substantial construction. Creosote, Osage orange, or pipe corner posts are acceptable. They shall be cemented and provided with an "H" or "N" style brace at each corner. A 4-foot high hung gate with lock shall be provided. The gate width shall be no less than 4 feet. The fencing shall be installed no closer than 4 feet from the top inside edge of the dike. Chain link fence or fencing with openings no greater than 2" x 4" is acceptable. In areas where livestock will have access to the fence, the posts shall be tall enough to install two strands of barbed wire or a single strand of electric fencing at the top of the fencepost. Fenceposts shall be no further than 12 feet apart. The fencing is illustrated in Figures at the end of the document. [See attached.]
- b. No other fencing can be installed unless specific written approval is granted by the Health Department.

Groundcover

The dikes shall have a good stand of groundcover established and maintained on it. This grass must be a short-rooted perennial such as Blue, Fescue, Brome, or Bermuda. Once this vegetation is established it shall be regularly maintained. Trees and tall weeds shall not be allowed to develop in the dike area. Vegetation shall not be allowed to grow higher than 6 inches.

Vegetation

Water vegetation shall be controlled at first appearance. All trees and weeds, such as cattails and duckweed, shall be removed as soon as the first ones develop in the water. Trees and weeds shall be removed from the water so that they do not contribute to the organic loading of the pond.

Water Depth

The water depth shall be maintained between 1½ and 5 feet.

**Dike Repair;
Surface Water
Diversion**

Any damage to the dikes shall be repaired by reshaping the area to the original plan and then establishing a good stand of groundcover on the worked areas. Surface water shall be diverted around the pond so it will not contribute to the hydraulic loading of the pond or create an erosion problem.

Well Maintained

The waste stabilization pond, fence, gate and pipe shall be maintained in the condition called for in the original plans and specifications.

**Animals,
Waterfowl**

Animal(s) and waterfowl shall not be confined within the pond fence.

See Page 2 for Lagoon Operation & Maintenance Agreement

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Lagoon Operation & Maintenance Agreement

I have received a copy of the above Owner Responsibilities for Operation and Maintenance of a Single-Family Waste Stabilization Pond (Lagoon), as outlined in Chapter 3, Sections 12 and 13 of the Douglas County Sanitary Code.

I agree to install the required fencing, gate, and lock, and to conduct regular maintenance and necessary repairs.

Signature _____ Date _____

Printed Name _____