



LIDMAT

Stormwater Filtration System



Maintenance Guide

Manufacturer:

ACF Environmental
2831 Cardwell Road
Richmond, Virginia 23234
Phone: (800)-448-3636



Caution:

The LIDMAT should be maintained by trained individuals who are familiar with all confined space entry, disposal procedures and traffic safety regulations.

1.0 Inspecting LIDMAT

The LIDMAT System, like any other stormwater treatment device requires maintenance to remain efficient as a stormwater filter. ACF Environmental highly recommends inspecting the system within the first month after installation in a vault or propriety filter system that was specifically designed to accommodate LIDMAT or LIDMIX.

<p>Inspection and cleaning should be performed only after NO rainfall for at least 24 hours.</p> <p>If working in the street, proper safety equipment should be worn, including but not limited to a hardhat, vest, gloves and eye protection, and local traffic safety rules & regulations should be followed.</p> <p>Begin by removing the manhole access covers located over the inlet forebay, filtration deck and effluent chamber. Allow several minutes for the system to vent.</p> <p>CAUTION: Grates can be extremely heavy. Some type of lifting mechanism is highly recommended.</p>	
<p>Visually inspect all chambers for heavy sediment, trash and debris loading. A battery powered flashlight or droplight is recommended for thorough inspection.</p> <p>Some telltale signs that cleaning or filter replacement is necessary are as follows:</p> <ul style="list-style-type: none"><input type="checkbox"/> Waterline marks within a couple inches of the top of the any bypass weir.<input type="checkbox"/> Standing water in the outlet chamber because it was designed to drain down after a storm.<input type="checkbox"/> Cannot see the tops of the filter media because they are covered with sediment, which indicates a sediment depth on top of the deck of greater than 6 inches. <p>Record observations and comments on the maintenance log sheet. In addition, the use of digital photographs and/or sketches may be warranted to maintain the most accurate historical records.</p>	



2.0 Cleaning Frequency

Vault and cartridge systems require periodic cleaning. There are no hard and fast rules in this regard. Small units and installation sites with higher than expected sediment loads or areas with significant trees and foliage require more maintenance. We recommend inspecting the surface area of a LIDMAT that is installed in a cartridge or vault system a minimum twice a year.

3.0 Cleaning out a typical LIDMAT System

<p>Be sure to follow all safety and traffic control protocols.</p> <p>With the manhole access covers or hatches removed, the LIDMAT is available for cleaning.</p> <p>Remove the sediment and debris from the system. This can be done manually or with a vacuum device.</p>	
<p>With the debris and sediment removed, the LIDMAT will be visible on the deck surface.</p> <p>To remove the mats, reach down into the basin and grasp the lifting straps on the corners of the mat</p>	

4.0 Replacement

LIDMAT should be replaced as needed and at a minimum once per year. This is because small particles can eventually accumulate within the media. The internal surface of the fabric can also become clogged or saturated and the reactivity of the media.

The LIDMAT stand-alone systems are ordered by length, height, and width. Each length of LIDMAT has a unique serial number that is on the order tag. This will also identify the way that the LIDMATS are connected to the inlet or other LIDMATS in the system. The tags will also specify if there is a custom or specialized fabric or media selection.



5.0 Disposal

All liquid, oils, sediment, debris, trash and other accumulates removed from the vault must be handled and disposed of in accordance with local, state and federal regulations.

Disposal considerations must be part of a well-planned and scheduled maintenance regime. Solid waste disposal can typically be coordinated with a local landfill, whereas liquid waste can be disposed of at either a wastewater treatment plant, or a municipal vacuum truck decant facility.

**Inspection and Maintenance Log-
Sheet**
LIDMAT Vault or Manhole System

Maintenance Company

Company Name:

Onsite Technician:

Contact Phone No:

Treatment System

Date of Maintenance:

Vault\Manhole Location:

Maintenance Item

Comments

Water Depth (prior to maintenance) in forebay:

Sediment Depth (prior to maintenance) in forebay:

Sediment Depth (prior to maintenance) on cartridge deck:

Structural Damage:

Maintenance Performed:

Additional Work Required:

Structural Repairs: