

CASE STUDY STORMWATER MANAGEMENT

MOBILE MINI STORAGE YARD

SAN DIEGO, CA



PROJECT/PRODUCT DESCRIPTION:

Mobile Mini is one of Whitson CM's industrial clients. To assist the facility in complying with the Industrial General Permit, Whitson CM and California Filtration Specialists (CFS) came up with a decentralized solution to treat stormwater at the storm drain inlet at the facility.

PROJECT SOLUTION:

Whitson CM and CFS designed a durable, plastic catch basin insert that can be manufactured to different sizes. Since stormwater can enter from both size of the catch basin, two inserts were manufactured to treat stormwater at each source. A LIDMAT™ composed of LIDMIX™ has been installed in each insert. Additionally, the filter on the west side of the catch basin has a built-in sampling port to take a stormwater sample post-BMP.

LIDMIX™ is a specialized media contained within a permeable geotextile fabric (LIDMAT™) that lets stormwater flow through the system at a rapid rate while particulate and soluble forms of the pollutants are filtered out of the runoff. It has been extensively tested in field and laboratory settings with the following results: 94% reduction in Lead, 92% reduction in Copper, and 91% reduction in Zinc.

The LIDMAT catch basin inserts were installed in 1 storm drain in the fall of 2017. This filtration system has continued to be an effective BMP for reducing pollutants from industrial stormwater discharges.

HEAVY METAL REMOVAL MEDIA

CLIENT NAME:
Mobile Mini

PROJECT REFERENCE:
John Searcy - Branch Manager

YEAR:
2017

PROJECT SIZE:
1 Catch Basin with 2 Catch Basin
Inserts/LIDMATS

BENEFITS OF LIDMIX

Decentralized Treatment - Treat Runoff at the Source
Pollutant Removal Rates below IGP NALs for: Copper, Lead, Zinc, Aluminium, Iron, Nitrate as N, TSS, TN, TP
Extensively Tested in Field and Laboratory
Customize Size of LIDMAT
High Flow Media - Minimal Clogging
Low Cost Solution to Meet Water Quality Requirements

LOCAL LIDMIX DISTRIBUTOR:



California Filtration Specialists

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