

Trash Capture Devices and Mosquito Control

Control of mosquitoes in stormwater management structures, such as catch basins is critical for protecting public health. The Alameda County Mosquito Abatement District (ACMAD) relies on the ability to treat inlets and drains with both liquid and solid products. Many proposed trash capture device designs will hamper, or block our ability to deliver needed treatments to catch basin and storm drain systems. The Municipal Regional Stormwater Permit (Order No. R2-2009-0074) recognizes the importance of mosquito control and calls for close collaboration and cooperative efforts among permittees and local mosquito/vector control agencies to minimize potential nuisances and public health impacts.



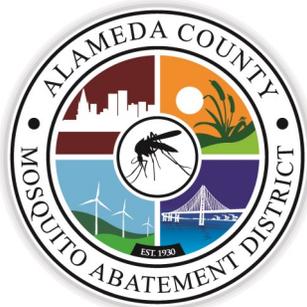
ACMAD Technician treating a catch basin in Livermore



Mosquito larvae must have standing water to breed



The northern house mosquito, *Culex pipiens*, commonly breeds in stormdrains



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ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

23187 Connecticut St.
Hayward, CA 94545

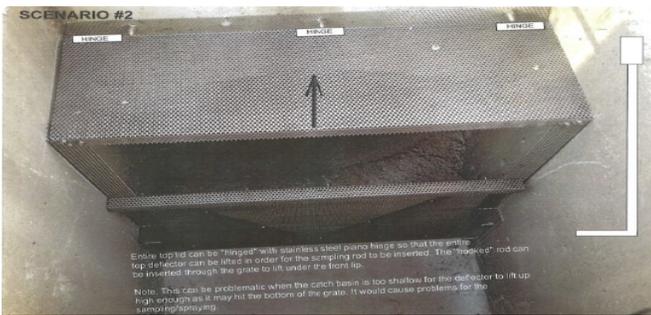
www.mosquitoes.org

Phone: (510)783-7744

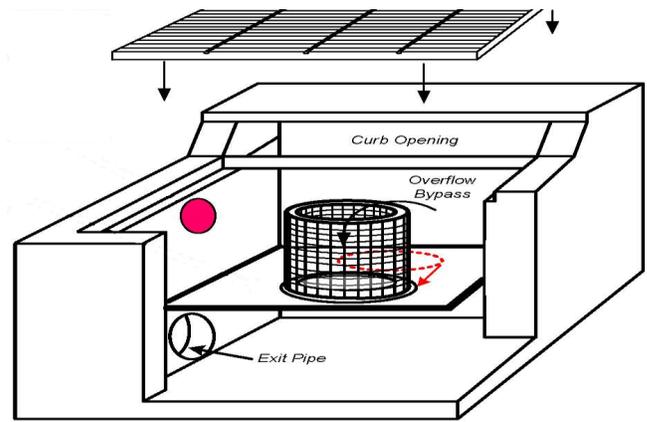
Fax: (510)783-3903

E-mail: acmad@mosquitoes.org

USW-1 Connector Pipe Screen



REM-1 Triton Bioflex Drop Inlet Trash Guard



Trash Capture Devices Approved by San Francisco Bay Regional Water Quality Control Board Staff

| Curb Inlet / Catch Basin Insert | ACMAD Assessment |
|---------------------------------|-------------------------------|
| G2-1 | Preferred after modifications |
| USW-1 | Preferred after modifications |
| REM-1 | Preferred after modifications |
| ECI-1 | Most Preferred |
| BC-3 | Most Preferred |
| AS-1/2 ST3 | Most Preferred |
| USW-2 | Most Preferred |
| G2-3 FS-10 | Most Preferred |
| GFI-1 | More Information Needed |
| G2-1R | More Information Needed |
| G2-2 | More Information Needed |
| BC-2 | More Information Needed |
| ECI-2 | More Information Needed |
| WCS-2 | More Information Needed |
| USW-3 | More Information Needed |
| USW-4 | More Information Needed |
| USW-5 | More Information Needed |
| BC-1 | More Information Needed |
| KS-4 | More Information Needed |
| GFI-2 | More Information Needed |
| WCS1 | Unacceptable* |
| KS-1 | Unacceptable* |
| KS-2 | Unacceptable* |
| KS-3 | Unacceptable* |
| BC-4 | Unacceptable* |
| AS-1/2 ST3-G | Unacceptable* |

USW-2 Clean Screen III

Automatic Retractable (inlet) Screen; ARS



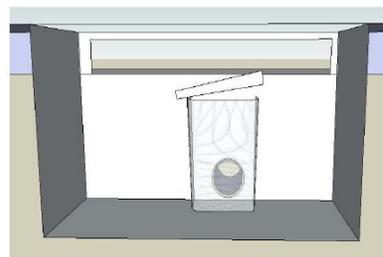
BC-3 Modular Connector Pipe Screen

Catchbasin connector pipe screen (CPS), removable



ECI-1 Debris Dam

Connector pipe screen



*Unacceptable devices will require each responsible party, be it private or public sector, to provide someone trained in removing any impendence readily available during normal business hours to facilitate mosquito control treatments by ACMAD.

Preferred devices:

- allow for liquid or solid mosquito control treatments directly OR
- have an easily removable access point

NOTE: It is imperative to consult your local mosquito/vector control district prior to any trash capture or BMP installations. To find your local mosquito control/vector control agency visit: <http://www.mvacac.org/about/member-agencies/>