

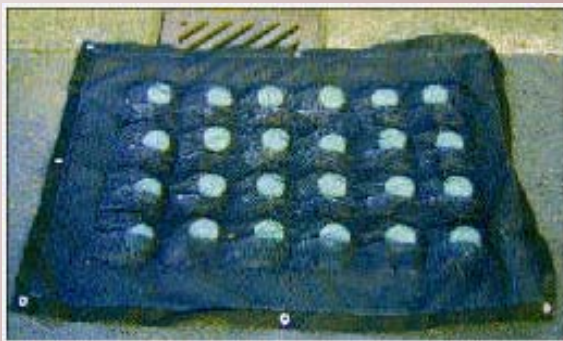
### General Best Management Practices (BMPs)

1. **Unplanned discharges** are non-routine activities such as water line breaks, leaks, overflows, fire hydrant shearing and emergency flushing.
2. **Record response times.** (see Field Forms)
3. **Contain the discharge and attain safety of the discharge site.**
4. **Dechlorinate potable water.** Example types of dechlorination equipment available:
  - Dechlor mat (3' x 4') used with tablets
  - Dechlor strip (6" x 36") used with tablets
  - Diffuser used with tablets (can be used during repair operations)
  - Drip system used with liquid
  - Dechlor tablets in flowpath (e.g. in gutter or before stormdrain)
5. **Place erosion and sediment control devices in flow path if needed.** Erosion and sediment control:
  - Slows the flow of water, preventing erosion and/or allowing some portion of the sediment to settle out and/or;
  - Protects bare earth surfaces to preclude the detachment of soil particles from the flow of water;
  - Bypasses sediment using piping to move flow around potential pollutants;
  - Prevents the flow of water from reaching or picking up sediment by using berms or dikes.



Filter bag w/dechlor tablets in gutter (Palo Alto WUDPPP)

**Example erosion and sediment controls:** filter bag over sump pump hose discharge, storm drain inlet protection, flow path check filters, vegetation filtration, flow diversion (surface protection), armoring (surface protection), diffuser.



dechlor mat from Pollardwater.com

6. **Monitor release after BMPs and before discharge to storm drain for chlorine residual, turbidity and pH, if possible.**

#### Benchmarks

Chlorine residual: <0.05 mg/L

pH: >6.5 or <8.5

Turbidity: Low

7. **Record results.** (see Field Form)
8. **Close operation.**
  - Inspect the flow path for erosion damage or sediment deposition
  - Cleanup and dispose of control materials appropriately
9. **Notify Regional Water Board staff within 24 hours by phone/e-mail if discharge  $\geq$  50,000 gallons and chlorine residual  $>$  0.05 mg/L.**
10. **Notify state Office of Emergency Services within 2 hours of becoming aware of:**
  - 1) aquatic impacts (e.g. fish kill)
  - 2) when discharge might endanger or compromise public health and safety

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### Resources:

Guidelines for the Development of Your Best Management Practices (BMP) Manual for Drinking Water System Releases, CA-NV American Water Works Association, 2005. [http://ca-nv-awwa.org/iMISpublic/AM/Template.cfm?Section=Resource\\_Center34&Template=/CM/ContentDisplay.cfm&ContentID=7742](http://ca-nv-awwa.org/iMISpublic/AM/Template.cfm?Section=Resource_Center34&Template=/CM/ContentDisplay.cfm&ContentID=7742)

SCVURPPP Water Utility Operation and Maintenance Discharge Model Pollution Prevention Plan approved January 20, 2011. [http://www.scvurppp-w2k.com/pdfs/1011/WUDPPP\\_01\\_20\\_11.pdf](http://www.scvurppp-w2k.com/pdfs/1011/WUDPPP_01_20_11.pdf)

City of Palo Alto Water Utility Operation and Maintenance Discharge Model Pollution Prevention Plan (EOA August 22, 2011)