



## **BMP D04: Water System Flushing and Outdoor Fountain, Water Tank, and Emergency Eyewash/Shower Maintenance**

### Targeted Pollutants:

- Bacteria
- Sediment
- Metals
- Total Residual Chlorine

Purpose:	To prevent the discharge of water or chemical/cleaning additives from water system flushing or maintenance of outdoor fountains, water tanks, or outdoor emergency eyewash/shower from going into storm drains.
Application:	Fire suppression system and fire hydrant line flushing activities, and outdoor fountain, water tank, and outdoor emergency eyewash/shower maintenance activities.
Practices:	<ol style="list-style-type: none"> <li>1. DO NOT drain water lines, fountains, water tanks, or outdoor emergency eyewash/showers into a storm drain or onto a paved area that will discharge into a storm drain.</li> <li>2. Collect water with a vacuum truck or wet/dry shop vacuum (collection tank capacity must be greater than the volume of water being flushed/discharged) and:             <ol style="list-style-type: none"> <li>a. Discharge to the sanitary sewer if permitted to do so; or</li> <li>b. Discharge to a pervious vegetated area where the water can infiltrate into the ground (if the water does not contain chemical additives or cleaning products); or</li> <li>c. Contact EH&amp;S for alternative disposal options: <b>(858) 534-3660</b>.</li> </ol> </li> <li>3. If water is used to clean, <b>DO NOT ALLOW WASH WATER TO GET INTO STORM DRAINS</b>. Review BMP B01: Equipment, Vehicle, and Boat Washing/Cleaning and BMP D03: Surface Cleaning/Pressure Washing for appropriate wash water disposal options.</li> <li>4. Cover/protect nearby storm drain inlets from outdoor work activities as needed.</li> <li>5. Control algae with chlorine or other alternatives such as sodium bromide. Do not use copper-based algaecides.</li> <li>6. Provide drip pans or buckets beneath drain pipe connections to catch leaks.</li> <li>7. Properly clean and/or dispose of filters. DO NOT clean a filter in the street or near a storm drain. Rinse cartridge filters and backwash diatomaceous earth filters onto a dirt area and work filter residue into the soil. If there is not a suitable dirt area, discharge filter backwash or rinse water to the sanitary sewer if permitted to do so by the local sewer agency.</li> </ol>
Frequency & Maintenance:	<ol style="list-style-type: none"> <li>1. Notify EH&amp;S of any observed discharges of water from water lines, fountains, water tanks, or safety showers into storm drain inlets by calling <b>(858) 534-3660</b>.</li> <li>2. Keep areas around outdoor fountains, water tanks, and safety showers clean of bird droppings and sediment. Review procedures in BMP A01: Housekeeping.</li> </ol>
Additional Information:	<ul style="list-style-type: none"> <li>• EH&amp;S web pages on Blink: <a href="http://blink.ucsd.edu/ehs">http://blink.ucsd.edu/ehs</a></li> <li>• EH&amp;S provides storm water pollution prevention training: <b>(858) 534-3660</b></li> </ul>