**BMP D04: Fire Sprinkler and Hydrant Testing/Flushing**

**Pollutants of Concern:**
- Non-Storm Water Discharges (NSWDs)
- Residual Chlorine

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>To prevent the discharge of water from fire sprinkler or hydrant flushing and testing from going into storm drains.</th>
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<tbody>
<tr>
<td>Application:</td>
<td>Fire sprinkler and hydrant testing and flushing activities</td>
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| Practices: | 1. Do NOT drain water from fire sprinkler or fire hydrant testing or flushing into a storm drain or onto an area that will discharge into a storm drain.  
2. Cover/protect nearby storm drain inlets from outdoor work activities as needed.  
3. Collect water into a portable tank or a tanker truck (collection tank capacity must be greater than the volume of water being flushed/discharged) and dispose of as follows:  
   a. Fire sprinkler water must be disposed of to the sanitary sewer system. Discharge must not exceed 35 gallons per minute and/or 6,500 gallons per day.  
   b. Fire hydrant water may be collected and taken to the UC San Diego Central Utilities Plant for use in the cooling towers in coordination with EH&S (ehsea@ucsd.edu) or may be disposed of to the sanitary sewer system. Discharge to the sanitary sewer must not exceed 35 gallons per minute and/or 6,500 gallons per day.  
   c. Small volumes (less than 25 gallons) of clean water may be discharged to a pervious vegetated area where the water can infiltrate into the ground if it will not cause erosion or reach a storm drain. Cover/protect nearby storm drain inlets as needed |
| Frequency & Maintenance: | Notify EH&S of any observed discharges of water from fire sprinklers or fire hydrants into storm drain inlets by emailing ehsea@ucsd.edu. |
| Training: | Maintenance, shops, trades, and theater staff that perform outdoor work activities that could contribute pollutants to the campus storm water system must take the “Annual Shop & Studio Environmental Compliance & Hazard Awareness Training” which includes storm water pollution prevention; spill prevention, control, and cleanup; SDSs; and hazardous materials and waste management. |
| Additional Information: | • UC San Diego’s Storm Water Management Program:  
[http://stormwater.ucsd.edu](http://stormwater.ucsd.edu)  
• Refer to BMP-A01 for housekeeping procedures  
• Refer to BMP-A02 for spill prevention, control, and cleanup procedures |