## BMP D11: Potable Water System Flushing or Chlorination

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

### Purpose:
To prevent the discharge of water from potable water system flushing/testing or chlorination of new lines from going into storm drains.

### Application:
New potable water line chlorination and water system flushing/testing activities

### Practices:
1. Do NOT discharge water from potable water system flushing/testing or new line chlorination 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. **System Flushing:**
   a. Before beginning the flush, collect any chemicals from the system (e.g., propylene glycol, inhibitors, etc.) into drums for proper disposal as hazardous waste (see BMP C03).

   b. Collect water and detergent from flushing activities 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 to the sanitary sewer system. Discharge must not exceed 35 gallons per minute and/or 6,500 gallons per day.

4. **Chlorination of New Water Lines:**
   a. Collect chlorinated water and de-chlorinate prior to discharge to the sanitary sewer system. Discharge must not exceed 35 gallons per minute and/or 6,500 gallons per day.

### Frequency & Maintenance:
Notify EH&S of any observed discharges of water from water lines 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
- Refer to BMP-A01 for housekeeping procedures
- Refer to BMP-A02 for spill prevention, control, and cleanup procedures
- Refer to BMP-CO3 for hazardous waste management
- The Environmental Management Facility (EMF) can provide assistance with hazardous waste management questions: (858) 534-2753 or hazwaste@ucsd.edu
- UC San Diego’s Hazardous Waste Program: http://blink.ucsd.edu/go/menu/hazwaste