



City of Cupertino Requirements for Fire Protection System Testing and Water Pipe Discharges

Water generated during fire protection system flow testing and water pipe flushing may contain a variety of pollutants such as metals, oil, sediment and/or chlorine/chloramines. Due to the actual or potential presence of these pollutants, water discharged from these sources is prohibited from being discharged to paved surfaces such as parking lots, streets and gutters, or the storm drain system. Due to this restriction, the City established a procedure for managing these discharges as described below. If the discharger, such as a water utility, has a separate NPDES (National Pollutant Discharge Elimination System) permit, they may perform discharge under the provisions of their NPDES permit employing all required BMPs (Best Management Practices). The Planned Water Discharge Data Collection Form must be completed and submitted in advance of the discharge by all dischargers including those with a separate NPDES permit.

To determine the required pollution control measures, dischargers must use the attached Planned Water Discharge Data Collection Form to provide information on the type of flow, location, approximate quantity, flow rate, and water quality. This form must be submitted to the Environmental Programs Division a minimum of one week in advance of the testing or flushing for review and scheduling of the Stormwater Inspector to be present during the discharge. The inspector will ensure the use of the appropriate discharge control measures as applicable to the type of flow and the specific site conditions.

The following are options for managing the discharged water. *At no time is water permitted to be discharged as overland flow that enters or could potentially enter any storm drain inlet on either private or public lands unless authorized by a separate NPDES permit and with the advanced approval of the City.*

1. Discharge to Landscape

Discharge to landscaping is the preferred method of water discharge, provided the water quality will not damage vegetation and the flow velocity and duration will not disturb the landscape or cause scouring sediment to enter the storm drains. Receiving ground composition, topography and erosion control are considerations for landscape discharging. If the chlorine concentration should also be considered if it is used for irrigation purposes.

2. Discharge to Sanitary Sewer

If discharge to landscaping is not feasible, flows may possibly be directed to a sanitary sewer connection, *only after obtaining a permit from the Cupertino Sanitary District* (408-253-7071). This may require additional lead time. Please plan accordingly.

3. Collect in Baker Tank or Water Truck

Fire protection system and water line flushing water may also be collected in a Baker Tank or water truck and depending on the quality, it may be repurposed for other uses such as dust suppression at construction sites or for irrigation.

For questions, please contact the Environmental Programs Division at 408-777-3236 or by email at environmental@cupertino.org

Planned Water Discharge Data Collection Form

Please complete this form and provide a copy to the Cupertino Environmental Programs Division at environmental@cupertino.org

1. Location of Discharge (street address): _____

2. Type of Discharge (fire system test, water line flushing, etc.): _____

3. Property Owner Name and Address: _____

4. Property Owner Contact and Telephone Number: _____

5. Discharger (Contractor) Name and Address: _____

6. Discharger Contact and Telephone Number: _____

7. NPDES Permit (Yes/ No) and Permit Number: _____

8. Scheduled Date(s) and Start Time(s) of Discharge: _____

9. Estimated Discharge Volume (gallons): _____

10. Estimated Discharge Flow Rate (feet/second or gallons/minute): _____

11. Anticipated Pre-Treatment Water Quality (select all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Potable | <input type="checkbox"/> Rusty/Sandy/Silty |
| <input type="checkbox"/> Stagnant | <input type="checkbox"/> Super-Chlorinated (>1.5 mg/l chlorine) |
| <input type="checkbox"/> Other (describe): | |

12. Discharge Disposal Method (select all that apply):

- | | |
|---|---|
| <input type="checkbox"/> Direct to landscaping | <input type="checkbox"/> Sanitary Sewer (Permit number _____) |
| <input type="checkbox"/> Baker Tank/Water Truck | |

Submitted by (print name) _____ Date _____

Email _____ Telephone Number _____

OFFICE USE ONLY:

Approved by _____ Date _____