

2. For systems in which flow rate can vary by more than 10% for a single pump, or in which multiple pumps are installed in a network, a flowmeter shall be necessary.
3. The District may, at its discretion, remove and redeploy monitoring equipment if the usage is less than 0.25 million gallons per day averaged over 365 days for two consecutive years.
4. For continuously pressurized systems where the flow rate over multiple delivery systems varies less than 10%, a flow sensor may be required. Typical installations will require a clean-water port upstream of any chemigation or effluent delivery and sufficient straight runs of pipe upstream and downstream of the port according to manufacturer's recommendations.
5. For systems requiring the installation of a flowmeter, the appropriate type of meter shall be determined by District staff in conjunction with the user prior to system installation. Inline meters may be necessary in the event less-invasive meters are not feasible. Typical installations will require a clean-water port upstream of any chemigation or effluent delivery and sufficient straight runs of pipe upstream and downstream of the port according to manufacturer's recommendations.

#### C. Data Acquisition

1. The number of units and configuration will determine the type of telemetry. It is the District's intent to reduce telemetry costs as much as possible through aggregation of reporting units and minimization of data file size. In many cases, telemetry for one or more dataloggers will be provided by a single cellular modem. If multiple units are within datalogger spread-spectrum radio distance, units will transmit by radio to a central hub that will transmit all the data with a single modem. If the user has internet within radio-distance of the monitored units, District and user may opt for uploading files via the user's internet connection thus eliminating the need for a cellular modem and data plan. Daily data file size will be typically less than 10 KB.

#### D. Data Management

1. Withdrawal points shall be identified by an individual site identifier and not by permit number.
2. A flow calibration check will be performed by District staff within one year of system installation using a non-invasive flowmeter, and at least once every 3 years during operation. An estimate of system yield will be used until calibration data is acquired.
3. Daily withdrawal will be computed using District software by multiplying the daily run-time derived from the status report by the estimated or measured flow rate.