

#### **4.22.3.2 Intermittent Filter Dosing**

1. Timed dosing is required, and the filter dosing cycle should meet the following minimum recommendations:
  - a. Pumps are set to dose each cell once per hour.
  - b. Dose volume delivered to the filter surface for each cycle should be 45% of the daily design flow.
  - c. A pump on override float should be set at a point that equates to 70% of the dosing chamber's volume.
  - d. A high-level audio and visual alarm float should be set at 90% of the dosing chamber's volume.
  - e. A low-level off float should be placed to ensure that the pump remains fully submerged at all times.
2. The pump controls should meet the following:
  - a. Be capable of monitoring low- and high-level events so that timer settings can be adjusted accordingly.
  - b. Have event counters and run-time meters to be able to monitor daily flows.