STANDARD OPERATING PROCEDURE # FDO 3.213

Subject: Troubleshooting Campus Flushometers

Purpose and Scope: To formalize Facilities Maintenance departmental procedures for troubleshooting campus flushometers.

Procedure: The Facilities Maintenance unit is responsible for maintaining all campus flushometers.

1. SYMPTOM: Flushometer does not function.
   A. Cause: Control stop or main valve is closed (secured).
      Solution: Open it.

   B. Cause: Handle assembly is worn.
      Solution: Replace handle assembly with part #B-50-A.

   C. Cause: Relief valve is worn.
      Solution: Replace flushometer cartridge.

2. SYMPTOM: Insufficient volume of water to create (siphon) flush.
   A. Cause: Control stop not open enough.
      Solution: Adjust control stop for desired delivery of water.

   B. Cause: Improper cartridge installed.
      Solution: U = urinal C = closet or toilet.

3. SYMPTOM: Length of flush is too short.
   Causes: Diaphragm assembly and guide are loose.
   Enlarged by-pass orifice from corrosion or damage.
   A-19-AU (black) urinal relief valve used instead of a A-19-AC (white).
   Worn-out handle assembly.
   Solution: Replace cartridge assembly and handle B-50-A.

4. SYMPTOM: Length of flush is too long, or fails to secure.
   Causes: Diaphragm assembly and guide are not hand tight.
   Enlarged by-pass orifice from corrosion or damage.
   Solution: Replace cartridge assembly and handle B-50-A.

5. SYMPTOM: Chattering noise in flushometer.
   Causes: Diaphragm installed upside down.
   Trash in valve assembly.
   Interior of cover surface worn-out.
   Solution: Replace diaphragm and valve cover.