**Requirements for Commissioning Tank Toilets (Pressure Assist or Gravity)**

**(4/16/13)**

1. For Pressure Assist Toilets, check water pressure, either at PRVs or at the flush valve using a special valve with a pressure gage. Pressure should be measured at lower floor, mid-level and highest floor. Enter figures on data sheet. If only pressure entering building is known, enter entering pressure and also elevation in feet of highest floor above pressure meter. Estimate pressure at highest level using 0.5 psi pressure drop per foot elevation rise. For best performance, static pressure should be between 40 and 80 psi (higher is generally better). Adjust pressure at PRVs as necessary.
2. For Gravity Tank Toilets, check stockroom for nominal flush volume of replacement flappers kept on the shelf. Flappers should either be OEM specified parts, or adjustable, with the proper adjustment determined using an inline meter (generally the lowest setting available). Ensure replacement part numbers in ordering system are updated accordingly.
3. For ALL Gravity Tank Toilets, remove tank lid and ensure water level is at the water level mark provided by the manufacturer. If no water level mark can be found, water level should be set at approximately 1” below the top of the overflow tube.
4. For ALL toilet fixtures, check flushing performance by placing 20 feet of loosely wadded toilet tissue in the bowl and flushing. Also check for any leaks.
5. Using an inline meter, measure actual flush volume for at least three typical units, plus any additional units having incomplete flushes. Replace or adjust flappers and or reset water level for any toilets flushing with more than + 20% of specified volume.

**Flush Valve Toilet Commissioning Data Sheet**

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Job & Location \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Commissioner:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Toilet Make & Model\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Replacement Flapper Make & Model \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fixture Nominal Flush Volume \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of units Installed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

#1 #2 #3

1. Floor/Room of Tested Units \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_
2. Building Water Pressure (Static) \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ psi
3. Correct Water Level in Tank? \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_Y/N
4. Measured Flush Volume \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ Gal
5. Flush 20 ft of Tissue? \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ Y/N
6. Leaks Observed? \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ Y/N
7. Stockroom Replacement Internal Parts: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (GPF & Part #)

Notes: