

# WATERLESS NO-FLUSH™ URINAL SAVINGS EVALUATION SHEET

for: \_\_\_\_\_

Assumptions: \_\_\_\_\_

## 1. DATA BASE:

Total Population of Facility _____	Of which are Male _____
Total of Urinals In Facility _____	Days of Operation a Year _____
Operating Hours a Day _____	Flush Volume/Flush <u>  3  </u>

## 2. RECURRING COSTS

Note: Most urinals installed prior to 1992 consumed 3 gal./flush, and most studies show 3 uses per male/day.

### A) Flushed Urinal:

\_\_\_ 1.0 Gal./Flush, \_\_\_ 1.5 Gal./Flush, \_\_\_ 3.0 Gal./Flush, or \_\_\_ Gal./Flush including leakage  
 No. of Males \_\_\_\_\_ a day :- Number of urinals \_\_\_ = \_\_\_ Uses/Day  
 \_\_\_ Uses/Day/Urinal x \_\_\_ Gal./ Flush = \_\_\_ Gal./Day/Urinal  
 \_\_\_ Gal. x \_\_\_ Days = \_\_\_\_\_ Gal./Year :- 1000 = \_\_\_\_\_ **K Gal/Year/Urinal**

### Water and Sewer Rate Costs:

Your current water rates are charged at \$ \_\_\_\_\_ / 1000 Gal.  
 Your current sewer rates are charged at \$ \_\_\_\_\_ / 1000 Gal.  
 Your current flow through charge at \$ \_\_\_\_\_ per 1000 Gal  
 Your current fixture unit hook-up charge \$ \_\_\_\_\_ per urinal.  
**Total \$ \_\_\_\_\_ / 1000 Gal. or fixture \$ \_\_\_\_\_**  
**Total Water and Sewer Rate Costs per Urinal per year: \$ \_\_\_\_\_**

### Maintenance Costs: (most facilities found considerable savings using No-Flush™ urinal once reviewing last years \$)

Flush valve repair and replacement costs per urinal \$ 69.00 + blockages, backups, and overflow maintenance \$ 50.00 = **Total maintenance costs per urinal per year \$ 119.00**

### B) Waterless Urinal

#### BlueSeal® Consumption Costs:

One ounce of BlueSeal® provides a sanitary and functional operation of 500 uses for No-Flush™ urinals.

\_\_\_ Uses/Day x \_\_\_ Days = \_\_\_\_\_ Uses/Year :- 500 = \_\_\_ oz./Year  
 \_\_\_ oz. x \$ .51 oz. = \$ \_\_\_\_\_ **Cost per Year/Urinal**

### Maintenance Costs:

Number of uses per urinal per year \_\_\_\_\_ :- 7000 (Number of uses per EcoTrap®) = \_\_\_\_\_  
 Number of EcoTrap®s used per urinal per year \_\_\_ x \$5.50 (Cost of EcoTrap®)=  
**Total maintenance costs per urinal per year \$ \_\_\_\_\_**

**3. RECURRING COST COMPARISON:**

Flush Urinal: (From 2A)

Total water and sewer rate costs per urinal per year: \$ \_\_\_\_\_

Total maintenance costs per urinal per year: \$ \_\_\_\_\_

**Total Flush Urinal Recurring Costs:** \$ \_\_\_\_\_

Waterless Urinal: (From 2B)

BlueSeal® consumption costs per urinal per year: \$ \_\_\_\_\_

Total maintenance costs per urinal per year: \$ \_\_\_\_\_

**Total Waterless Urinal Recurring Costs:** \$ \_\_\_\_\_

**Total Flush Urinal recurring Costs \$ \_\_\_\_\_ - Total Waterless urinal Recurring Costs \$ \_\_\_\_\_ = A) Total Savings per Waterless Urinal per Year: \$ \_\_\_\_\_**

**Life Cycle Cost Analysis and Savings To Investment Ratio**

**4. DISCOUNTED RECURRING COSTS:**

Assuming economic life of 20 years and a discount factor of 13.47. These numbers come from the U.S. Dept. Of Commerce, National institute of Standards and technology Handbook 135, page 7-Revised Oct.'95, NISTIR 85-3273-10, D.O.E.-Non Fuel)(

Total Flush Urinal recurring Costs: \$ \_\_\_\_\_ x 13.47=

Discounted Flush Urinal Recurring Costs \$ \_\_\_\_\_

Total Waterless Urinal Recurring Costs: \$ \_\_\_\_\_ x 13.47=

Discounted Waterless Urinal Recurring Costs \$ \_\_\_\_\_

**5. TOTAL NET DISCOUNTED COSTS AND SAVINGS:**

Discounted Flush Urinal Recurring Costs \$ \_\_\_\_\_ - Discounted Waterless Urinal Recurring Costs \$ \_\_\_\_\_ = **A) Total Net Discounted Savings: \$ \_\_\_\_\_**

**6. INVESTMENT COSTS:** (NOTE: Cost of installation between \$50.00-75.00 on simple changeout)

Cost of Waterless Urinal \$ \_\_\_\_\_ + Cost of Installation \$ \_\_\_\_\_ =

**A) Total Investment Cost: \$ \_\_\_\_\_**

**7. SAVINGS TO INVESTMENT RATIO:** (5A divided by 6A) \_\_\_\_\_ **per Urinal**

**8. SIMPLE PAYBACK PERIOD:** (6A divided by 3A) \_\_\_\_\_ **Years/Urinal**

**9. TOTAL SAVINGS FOR FACILITY:**

A) Water/Sewer / Year (2D-2Gx # of urinals) = \$ \_\_\_\_\_

B) Maintenance /Year (2E - 2H x # of urinals) = \$ \_\_\_\_\_

**FACILITY TOTAL SAVINGS PER YEAR: (9A + 9B) = \$ \_\_\_\_\_**

**SAVINGS DO NOT INCLUDE WINTERIZATION, DEODORIZERS & OTHER COSTS.**

**For more information, please contact us tollfree at 1-888-NOFLUSH**

© WATERLESS CO. 1996