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### **Infiltration Case Study**

The following is a case study showing the significant reduction in treatment costs when leaks in manhole are repaired. There have been certain assumptions made in order to complete this study: (1) One manhole leaking 10 gpm. (2) Treatment costs are estimated at \$1.75/1000 gallons.

#### **ONE MANHOLE LEAKING AT A RATE OF 10GPM**

10 gpm x 60 minutes = 600 gph

600 gph x 24 hours = 14,400 gpd

#### **TREATMENT COSTS**

\$1.75/1000 gals. x 14,400 gpd = \$25.20 cost/day to treat infiltration from 10 gpm leak

\$25.20/day x 365 days = \$9,198.00 cost/year to treat infiltration from 10 gpm leak

#### **SUMMARY:**

Estimated cost to repair = \$100.00 to \$500.00

**ANNUAL SAVINGS = \$8,698.00 to \$9,098.00**