



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) Manhole(s) leaking at a rate of 10 gpm. (2) Treatment costs are \$2.00/1000 gallons.

MANHOLE(S) LEAKING AT A RATE OF 10GPM

10 gpm x 60 minutes = 600 gph
600 gph x 24 hours = 14,400 gpd

TREATMENT COSTS

\$2.00/1000 gals. x 14,400 gpd = \$28.80 cost/day to treat infiltration from 10 gpm leak(s)
\$28.80/day x 365 days = \$10,512.00 cost/year to treat infiltration from 10 gpm leak(s)

SUMMARY:

Estimated cost to repair = \$100.00 to \$500.00
ANNUAL SAVINGS = \$10,012.00 to \$10,412.00