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