

# Force Main Pressure Test Report North Charleston Sewer District



Project: \_\_\_\_\_ Date: \_\_\_\_\_

DHEC Permit #: \_\_\_\_\_ Test Duration: \_\_\_\_\_

NCSD Representative: \_\_\_\_\_

Contractor: \_\_\_\_\_

Contractor Representative: \_\_\_\_\_

Engineering Firm: \_\_\_\_\_

Engineering Firm Representative: \_\_\_\_\_

Allowable leakage calculations based on American Water Works Association (AWWA):

$$L = 0.000007 \times S \times D \times \sqrt{P}$$

- Where: L = Allowable Leakage (gph)  
 S = Length of Pipe Tested (ft)  
 D = Nominal Diameter of Pipe (in)  
 P = Average Test Pressure (psig)

	<u>Time</u>	<u>Pressure</u>	<u>Diameter (in)</u>	<u>Length (ft)</u>	<u>Allowable Leakage (gph)</u>
Start		PSI			
End		PSI			

1-Hour Total Allowable Leakage, L<sub>1</sub> = \_\_\_\_\_ gal

2-Hour Total Allowable Leakage, L<sub>2</sub> = \_\_\_\_\_ gal

Actual Leakage = \_\_\_\_\_ gal

Passed       Failed