

Volume of Gas

Starting Pressure in psig =	100	Total Volume in MSCF =	117
Ending Pressure in psig =	0	Total Volume in SCF =	116,962
Temperature (def F) =	48		
Pipe OD in inches =	10.75		
Pipe Wall Thickness inches =	0.25		
Length in Feet =	25,555		

Notes:

Volume in standard cubic feet utilizes emissions calculation base don 40 CFR Part 98, Subpart W, Equation W-14B

$$E_{s,n} = \sum_{p=1}^N \left[V_p \frac{(459.67 + T_s)(P_{a,b,p} - P_{a,e,p})}{(459.67 + T_{a,p})P_s Z_a} \right] \text{ (Eq. W-14B)}$$