

Procedures for Obtaining Initial Dimension



The following tables describes the summary of suggested procedures for estimating initial lateral dimension (s_{y0}) and initial vertical dimension (s_{z0}) for Volume and Line Sources ([U.S. EPA 1995](#))

Initial Lateral Dimension for	Procedure for Obtaining Initial Dimension
Single Volume Source	$s_{y0} = \frac{\text{side length}}{4.3}$
Line Source Represented by Adjacent Volume Sources	$s_{y0} = \frac{\text{side length}}{2.15}$
Line Source Represented by Separated Volume Sources	$s_{y0} = \frac{\text{center to center distance}}{2.15}$

Initial Vertical Dimension for	Procedure for Obtaining Initial Dimension
Surface-Based Source ($h_e \sim 0$)	$s_{z0} = \frac{\text{vertical dimension of source}}{2.15}$
Elevated Source ($h_e > 0$) on or Adjacent to a Building	$s_{z0} = \frac{\text{building height}}{2.15}$
Elevated Source ($h_e > 0$) not on or Adjacent to a Building	$s_{z0} = \frac{\text{vertical dimension of source}}{4.3}$