

# Modeling Protocol - Eagle Trailer Manufacturing

February 8, 2024

Source Number: 03-0129

SB Northwest Investments LLC

Dbas: Eagle Trailer Manufacturing

7813 SE Luther Road

Portland, OR 97206

Input values for the risk assessment calculations

## Stack height and building area:

TEU Identifier	Description	Emission Type	Number of TACs at TEU	Stack Height	Building Area	Building Height
				m	ft^2	ft
MIG Welding		Fugitive	6		15400	20
SprayBooth		Point	9	8.5		

Spray booth stack height: 8.5 m (28 feet), supplied by Eagle Trailer

Building area: 15,400, based on aerial photo measurement of building size.

Building height: 20 feet, estimated by Eagle Trailer for height at spray booth stack location (roof is sloped)

## Exposure location distances:

TEU Identifier	Residential Exposure Name	Distance (m)	Child Exposure Name	Distance (m)	Work Exposure Name	Distance (m)	Acute Exposure Name	Distance (m)
MIG Welding		50		50		50		50
SprayBooth		50		50		50		50

Used minimum distance of 50 m for all exposure types. This accounts for nearby houses within 50 m.

Location: 7813 SE Luther Rd, Portland OR 97206



Residential exposure locations within 50m:





Acute exposure locations within 50m:

