# Cleaner Air Oregon Risk Assessment Summary

February 8, 2024

| **Facility Name:** Eagle Trailer Manufacturing 03-0126 | **Location:** 7813 SE Luther Rd Portland OR 97206 |
|---|---|
| **Source Description:** | The facility manufactures trailers. They apply coatings, solvents, and thinners in a paint spray booth, and perform welding. |

**Toxics Emissions Units**

| **Name** | **Description** | **Annual Requested PTE[1]** | **Max Daily Requested PTE[1]** |
|---|---|---|---|
| Welding | MIG Welding | 32,000 lbs/yr | 235 lbs/day |
| SprayBooth | Trailer spray booth - HVLP spray guns | Different throughput for each material sprayed. (See AQ520 for amounts) | Different throughput for each material sprayed (See AQ520 for amounts) |

**Risk Assessment**

Level 1 Risk Assessment was performed using default Level 1 Risk Assessment dispersion factors from OAR 340-245-8010 Table 3, a stack height of 8.5 meters, and residential, child, worker, and acute exposure distances of 50 meters.

**Risk Results**

| **Assessment** | **Cancer x $10^{-6}$ [2]** | **Chronic HI[2][3]** | **Acute HI** |
|---|---|---|---|
| Risk | 3 | 1 | 1 |

**Conclusions:**

- Chronic Cancer Risk is driven by ethyl benzene (CASRN 100-41-4) from the Spray Booth material ALK-300ELG.
- Chronic Noncancer Hazard Index is driven mainly by manganese (CASRN 7439-96-5) from Welding.
- Acute Hazard Index is driven by both manganese (CASRN 7439-96-5) from Welding and hexamethylene-1,6-diisocyanate (CASRN 822-06-0) from the Spray Booth material Amershield Cure (AM-B).

The modeled source risk from the Level 1 Risk Assessment does not exceed the Community Engagement Risk Action Level[4] and risk reduction is not required.

The modeled source risk does exceed the Source Permit Level[4] for the Residential Chronic Cancer Risk, the Residential Chronic Noncancer Hazard Index, and the Acute Hazard Index. Source Risk Limits are required to limit Toxic Air Contaminant emissions from this facility and maintain risk at or below the levels modeled.

[1] - Based on company estimate
[2] - Based on residential exposure
[3] - HI = Hazard Index
[4] - Risk Action Levels for New and Reconstructed Sources [OAR 340-245-8010 Table 1]