

Emma Huang

TO: Arizona Department of Environmental Quality

Please deny this Class 1 Air Quality permit application requested by Aluminum Dynamics Inc.

The long-term effects of emissions from secondary processing of aluminum are concerning, particularly regarding children in their developmental years. Exposures to hazardous chemicals negatively impact early childhood development. Secondary aluminum processing emits airborne heavy metals, including lead and cadmium. Exposure to aerosolized heavy metal compounds from metals processing at elevated temperatures, effects neurological development and cognitive functions in young people.

Numbers directly from Aluminum Dynamics Inc. ADEQ Air Dispersion Modeling Report (December 2024) and Potential to Emit calculations confirm that this facility will be a major polluter due to the volume of hazardous pollutants:

- 61.7 tons of Particulate Matter (PM10)
- 52.2 tons of Particulate Matter (PM2.5)
- 93.7 tons of Nitrogen Oxides (NOx)
- 93.3 tons of Volatile Organic Compounds (VOCs)
- 80.3 tons of Carbon Monoxide (CO)
- 100.7 tons of Hazardous Air Pollutants (Total HAPs)

These hazards to respiratory, cardiovascular, and neurological health, along with air quality degradation, and the many documented environmental violations by parent company Steel Dynamics Inc. should be considered in ADEQ's denial of this permit.

You do not want to live near a facility with these emissions.

Sincerely,
Emma Huang
Benson, AZ 85602