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OBJECT

Submission ID: 211704

Organisation: N/A	Key issues: <i>Other issues</i>
Location: <i>New South Wales NSW</i>	
Attachment: N/A	

Submission date: 11/5/2024 10:00:24 AM

Subject: Objection to Proposed Plastic Recycling Depot in Mossvale

To Whom It May Concern,

I am writing to formally object to the proposed plastic recycling depot in Mossvale. I have deep concerns regarding the negative impact this facility will have on the health and wellbeing of our community, particularly due to the release of microplastics and nanoplastics into the air. These tiny plastic particles are increasingly recognized as dangerous pollutants, and their effects on public health, especially for children, cannot be ignored.

Studies have shown that plastic recycling facilities generate large quantities of airborne microplastics and nanoplastics. When plastics are processed, melted, and broken down, they release microscopic particles into the air. Once airborne, these particles can easily enter our respiratory systems and accumulate in our bodies. Research links inhaled microplastics to respiratory issues, inflammation, and other chronic health conditions. Children are particularly vulnerable, as their respiratory systems are still developing, and they tend to breathe more air per kilogram of body weight than adults, increasing their exposure and risk.

Another critical concern is the risk of fire at the proposed recycling depot. Plastic recycling facilities are inherently prone to fire due to the flammable nature of plastics and the high heat processes involved in recycling. In the event of a fire, toxic smoke and significant amounts of microplastics and other hazardous particles would be released into the air. This type of industrial fire is extremely difficult to control and would overwhelm local fire departments, which may lack the specialized equipment, training, and resources necessary to handle such a large-scale, hazardous fire. The resultant pollution from a depot fire would endanger not only the immediate vicinity but also the broader Mossvale area, posing severe health risks for days or even weeks.

Additionally, the presence of a plastic recycling depot would compromise our community's environmental quality. Airborne microplastics settle on our soil and in our waterways, threatening ecosystems and contaminating food sources. This pollution harms local wildlife and could result in the bioaccumulation of plastics throughout the food chain, potentially affecting everything from local agriculture to our personal gardens.

The long-term consequences of microplastic and nanoplastic exposure are not yet fully understood, but current evidence already indicates a serious risk. Given the limited ability to monitor, control, and mitigate these particles once they enter the environment, allowing such a facility in Mossvale is highly irresponsible. Our community deserves a safe environment, free from unnecessary health hazards.

I urge the council to consider alternative solutions that protect our community from these health risks and preserve Mossvale as a safe, healthy place for our children to grow up. Please prioritize our health and the integrity of our environment by rejecting this proposal.

Thank you for your time and attention to this matter.

Sincerely,

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