



NAME REDACTED

OBJECT

Submission ID: 215480

Organisation: N/A	Key issues: <i>Social impacts, Visual impacts, design and landscaping, Land use compatibility (surrounding land uses), Traffic</i>
Location: <i>New South Wales 2577</i>	
Attachment: <i>Attached overleaf</i>	

Submission date: 11/18/2024 7:37:42 PM

THIS IS NOT THE RIGHT SITE!

The attached documents will spell out some of the reasons why.

a: IPC Submission

b: Information pertinent to plastic recycling.

I will now point out why this is not the right site.

1: **Zoning:** The land that this is to be situated is not zoned for this type of development. (c4 - Environmental Living & E4 General Industrial)

This development needs to be in a heavy industrial area (E5).

2: **Bush fire zone.** The proposed site is prone to bush fire rating as per the RFS findings, meaning that an adequate APZ should surround the site. The planting of Gumtrees to hide the huge building is therefore not feasible.

3: **Fire risk:** As witnessed many times in such facilities, the risk of fire within the plant is massive. Local fire crews would be unable to manage such a dangerous blaze.

4: **Micro & Nano Plastics:** Concerns that these particles will surely escape to both the surrounding waterways & airborne to fall across a wide area of the Highlands.

5: **Toxic fumes:** The heating of plastics in order to melt and reshape into pellets or new products is known to release numerous toxic chemicals that cause serious health issues. (see attached Document)

6: **Truck movements:** It is proposed that up to 100 truck movements are expected. This will cause the local road network to be severely compromised as most were designed for light residential use only. The proponent claims that these heavy vehicles will enter via a road off Berrima road but drivers will inevitably use Argyle St, Garrett St, & Beaconsfield Rd when it suits them. (Think morning coffee, Lunch time snack etc.)

7: **SHIP:** (Southern Highlands Enterprise Precinct) This was a great initiative to encourage science & innovation style businesses to settle there.(The Garvan Institute for example) Sadly if this project goes ahead the area will no longer appeal to these high tech companies due to the threats to health & safety mentioned above.

8: **The Proponents:** Over the last few months I have become more & more concerned regarding the suitability of the proponent to run an operation of this magnitude.

Reports say that

They tell us that it will provide 140 jobs but I fear these will come from overseas workers as in a similar recycling plant near Minto NSW.

The public meetings did little to reassure the community that they knew what they were doing.

Vague responses & words like "Probably" send shivers down my spine.

I am afraid "probably" doesn't cut it!

9: **Social Impact:** This proposal threatens to impact the whole of the Southern Highlands. Local residents, Local businesses, Wineries, Tourism, Hotels, Produce Growers, Beekeepers, Research facilities will all be affected by pollution, Nano plastic fallout, Land & water course contamination, Noise & Vibration, Degradation of our roads, reduction in visitors that the area relies upon.

Homes are going to be greatly devalued if this project gets the green light & I foresee an exodus of residents leaving the area as a result.

10: **In Conclusion:** I have lived here for 20 yrs and expected to see out my days here. My wife & I with our two children moved to the Southern Highlands with the promise of clean fresh air & a quality of life envied by Sydneysiders.

I live within a 1000 metres of this site and would like to live another 20 yrs if that's not too much to ask?

A spokesperson for the Proponent has told local residents to limit their time outdoors!!

I think that says it all!

They know that these places are a real threat to public health & safety and that statement alone should see this proposal thrown out.

These types of recycling plants should not be built anywhere near Homes, Day care centres, Public Schools etc.

Similar plants are located in sparsely occupied areas well away from townships (>5km)

I trust that the members of the panel will see that the community is vehemently opposed to this & come to the only rational decision and that is to refuse this project.

This is Not the right Sight!

A quick google search asking the question...

“What temperature is needed to recycle plastics into new products & what poisonous fumes are emitted?”

Answer.

The temperature needed to recycle plastic into new products can vary depending on the type of plastic and the desired outcome:

Melting recycled plastic bags

One study melted recycled plastic bags at 160°C, 200°C, and 250°C for 30 minutes. The bags released flammable gases like methane, ethylene, and alkane/alkene hydrocarbons, as well as small amounts of toxic phthalates.

Combustion of plastics

One study investigated the combustion of plastics at 650°C and 900°C. The study analysed the concentration of gases emitted during the combustion process, including CO₂, O₂, CO, and NO_x.

Recycling plastics without heating them high enough

If plastics are not heated high enough during recycling, the process can generate new toxic chemicals, like dioxins.

Plastic recycling can also emit other harmful chemicals and gases, including:

- **Volatile organic compounds (VOCs):** These can evaporate from recycled plastic resins at near room temperatures, and produce odours that intensify as temperatures are raised.
- **Polycyclic aromatic hydrocarbons (PAHs):** These are emitted by plastic melting facilities.
- **Toxic pollutants:** These can contaminate untreated wastewater from recycling facilities.

Burning plastic, also known as incineration, releases harmful gases like acrolein, acetone, butadiene, butane, formaldehyde, aldehydes, hydrogen chloride, hydrogen cyanide, phenol, and styrene.