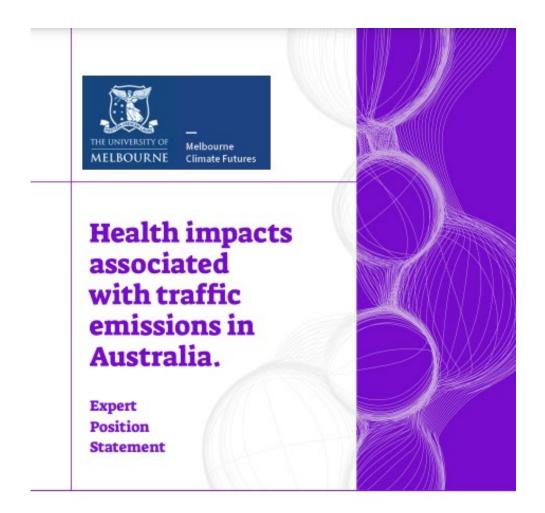


Plasrefine Recycling Pty Ltd Proposed site layout

Taken from Moss Vale Plastics Recycling and Reprocessing Facility Technical Report 4 – Preliminary Site Investigation (Contamination) Figure 1.2



Endorsed by:

Australian Chronic Disease Prevention Alliance

















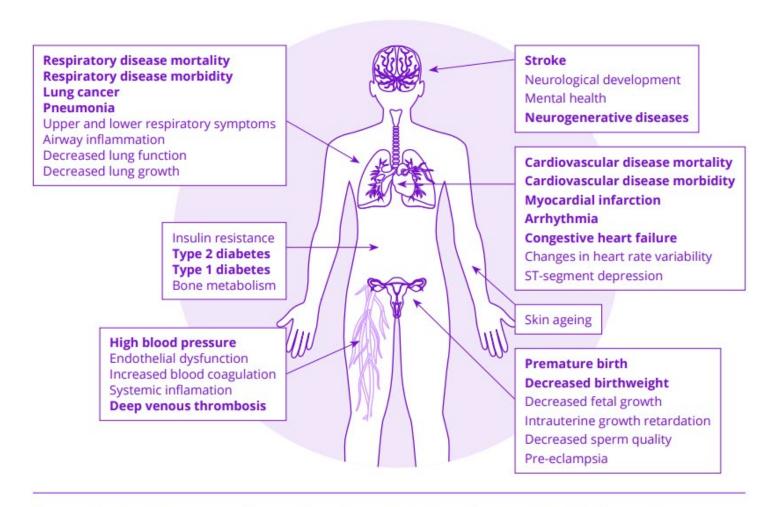


Figure 1. Overview of diseases, conditions and biomarkers affected by outdoor air pollution. Bold type indicates conditions currently included in the Global Burden of Disease categories (Thurston, Kipen et al. 2017)

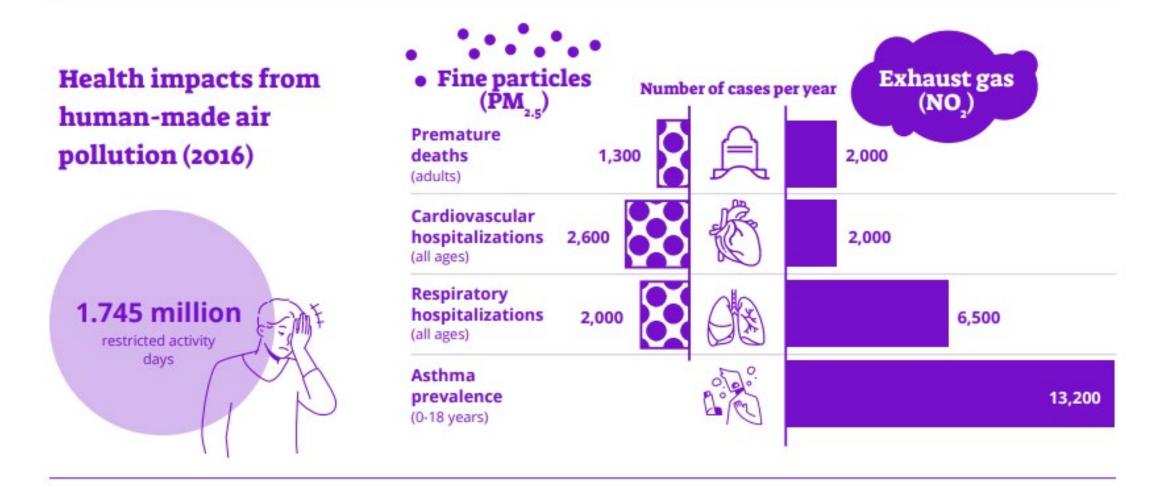


Figure 2. Key findings of the HAPINZ 3.0 Study

The Precautionary Principle in Environmental Decision Making

Four central components

- Taking preventive action in the face of uncertainty
- Shifting the burden of proof to the proponents of an activity
- Exploring a wide range of alternatives to possibly harmful actions
- Increasing public participation in decision making

HAZARDOUS CHEMICALS in plastic

PRODUCTION USE DISPOSAL

Toxic, mutagenic, and carcinogenic monomers are used to make plastic polymers?

PUR PAN PVC Epoxy resins

Styrenic co-polymers

Of 906 chemicals associated with plastic packaging, 63 rank in the highest category for human health hazards³

7/906 chemicals are PBT or vPvB 15 are EDC3

Chemical additives in plastics can be released during recycling and recovery processes, and leach out from products made from recyclates⁶

Greater numbers of chemicals are found in recycled compared to virgin plastic⁶

Over 10,500 chemicals are used to make plastic, comprising monomers, additives and processing aids1 None reported

High concern 4,100 1,254 Medium concern 1,232 HAZARD CLASSIFICATIONS Low concern 3,950

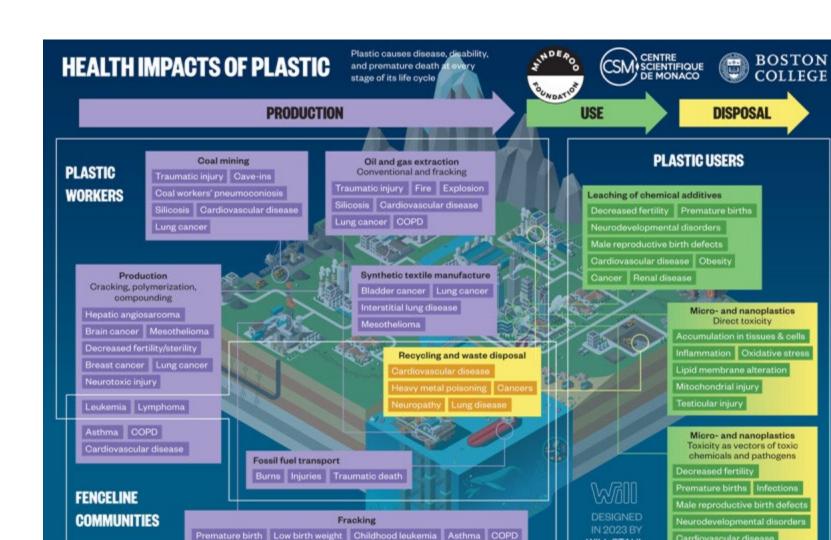
Many chemicals in food packaging can leach out onto food, leading to human exposure4











Cardiovascular disease Vehicular injuries Mental health problems

WILL STAHL-

TIMMINS

Renal disease Obesity



Climate Care Health Care