

Concerns about the Emerald incinerator expansion in Brampton



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Toronto Environmental Alliance

- Over 35 years of building **A Greener City for All**
- Advocate for a green, healthy and equitable city
- Non-partisan, non-profit organization
- Assisted with and a community response to Emerald's Environmental Screening Report alongside Environmental Defence Canada





Emerald

- Located at 7656 Bramalea Road, Brampton
- Currently permitted to burn 182,000 tonnes of mixed waste per year
- Proposed expansion to 900,000 tonnes per year – biggest in Canada

Concerns about waste

- Waste burned at Emerald comes from commercial, residential sources from across Ontario, and beyond
- Includes organics, recyclables and other unknown and unpredictable materials



Concerns about incinerator

- Brampton/Peel airshed already burdened with significant pollution
- Plastic waste burning produces carcinogenic pollutants (dioxins and furans)
- Climate impacts of incineration - major GHG emitter for region

Existing background air pollution

Pollutant	Risk	% of Air Quality Criteria
Benzo (a) pyrene (BaP)	Known carcinogen	125%
Hydrochloric Acid	Contributes to smog	375%

Expansion: Estimated Impacts

Pollutant	Hazard	% of Air Quality Criteria
Nitrogen dioxides	Respiratory health	128%*
Dioxin and furans	Carcinogenic, endocrine disruptors	107%

Concerns for the community

- Dirtiest, most expensive way to make energy & to deal with waste
- **Zero waste offers more jobs, better resource management and cleaner air**