



earthsure

Sustainable waste solutions



 **VEOLIA**  **ventia**
Contaminated soil and hazardous waste processing facility

Unearthing a better solution



It takes an extraordinary combination of expertise, infrastructure and technology to sustainably solve complex contamination issues and protect our planet for the future.

EarthSure® is a joint venture between Veolia, a waste and water resource management company and Ventia, a services provider whose business includes a specialist remediation unit with decades of experience managing the most complex environmental projects in Australia.

Powered by our considerable collective capabilities, EarthSure's contaminated soil and hazardous waste processing facility delivers the next generation in treatment solutions. The facility is licensed to treat a wide range of hazardous materials generated by civil and environmental remediation projects for industrial, commercial, utility, manufacturing, government and defence sectors for beneficial reuse where it is viable to do so.

The plant has been purposely situated within the Taylors Road Landfill facility in Dandenong South

EarthSure is licensed to accept category B reportable priority waste and is also the only licensed facility where heavy metal contaminants (lead, arsenic, mercury, chromium) that will need to be treated via stabilisation or chemically immobilisation can be disposed (N160 waste)

EPA approved.

Licensed to accept material 24/7.

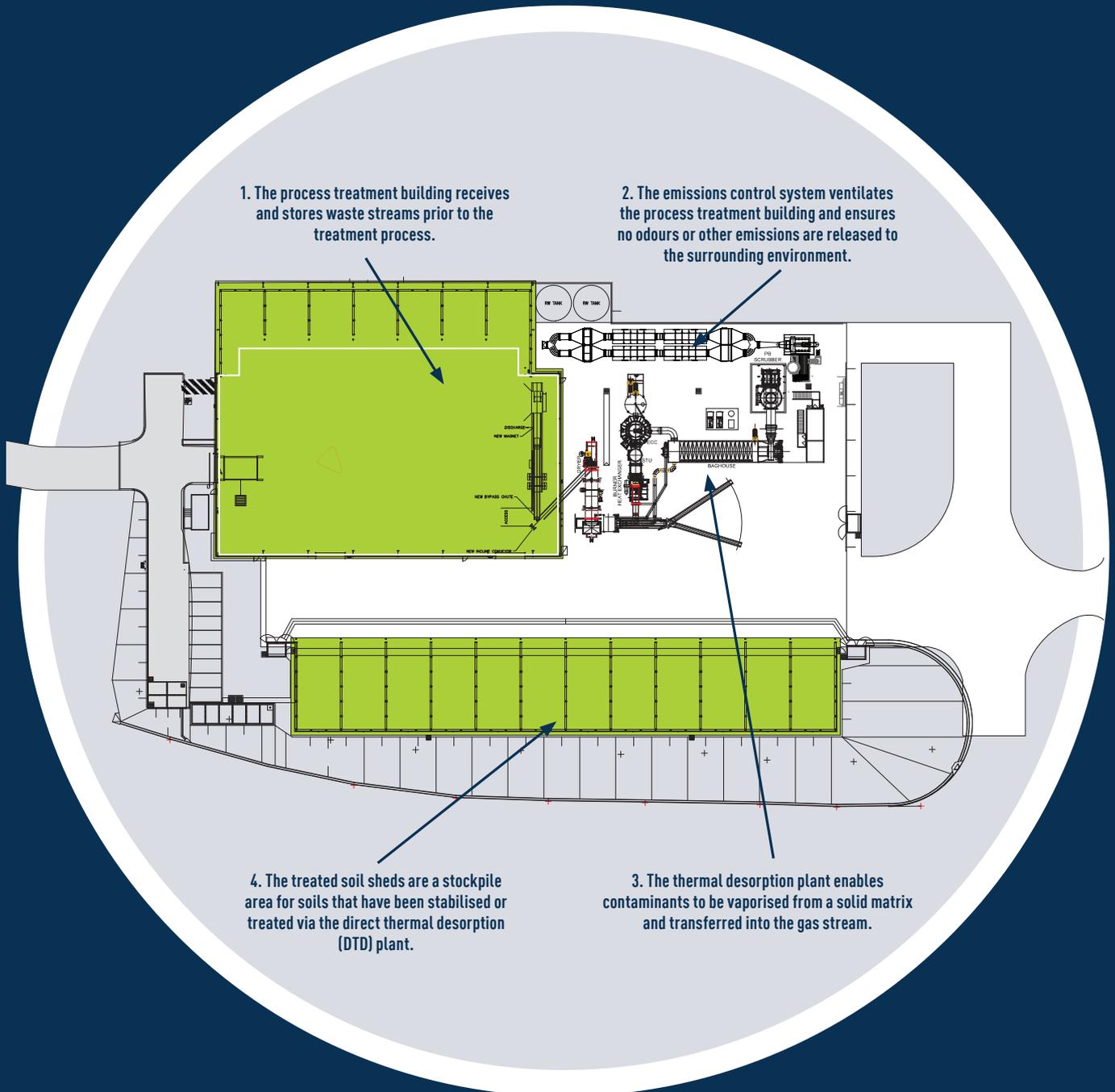
High performance technology capable of providing permanent solutions.

Full cradle-to-grave materials tracking.

Wide array of problematic hazardous and industrial wastes treated and stabilised.

Zero-residue beneficial reuse solution.

Safe, proven and cost-effective.



The future of hazardous waste treatment, today



Our advanced thermal desorption plant utilises a unique direct flame treatment process to comprehensively treat a larger variety of substances found in soils and industrial and hazardous wastes.

While thermal treatment is a viable, cost-effective methodology for dealing with organic contaminants, it is important to consider the impacts of inorganic co-contaminants, which require additional treatment.

EarthSure offers a combined thermal treatment plus immobilisation for co-contaminated material. That's why we've combined our thermal treatment plant with on-site soil stabilisation/immobilisation expertise, enabling us to chemically fix leachable metals before pre-disposal reclassification.

Our engineers and scientists are natural problem solvers with a keen eye on the future. We're continually evolving our solutions to meet the complex challenges our customers face today and anticipating their needs for tomorrow.



Treated Gases

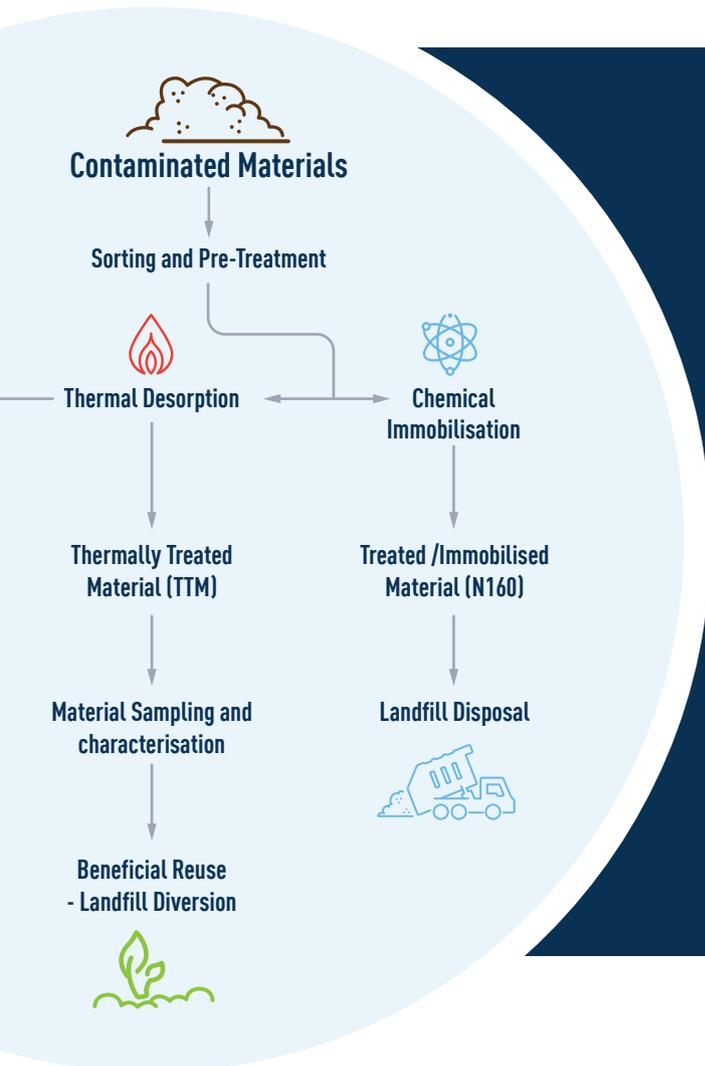
Conversion to Salts & Carbon Dioxide - Discharged under EPA license



EarthSure is your one-stop-shop solution for sustainable processing of contaminated soil and hazardous wastes

Equipped for a wide range of contaminants

At EarthSure, we currently process a variety of contaminants within soils and other prescribed industrial waste



Organic

- Hydrocarbons such as oils, tars and petroleum residues
- Pesticides
- Munitions
- PFAS
- PCBs
- Chlorinated hydrocarbons

Inorganic

Heavy metals such as:

- mercury
- lead
- arsenic
- chromium.

Capable of thermally treating over **100,000 tonnes** of contaminated product annually



Optimum transparency, absolute surety

With EarthSure, you can be confident your contaminated soil and hazardous wastes won't leave an unwelcome legacy.

All wastes received by EarthSure are certifiably tracked throughout every stage – from the moment it leaves your site to final destruction and disposal or reuse. Our quality assurance is a core focus. Our processes are regularly audited; our methodology is compliant with state and federal requirements; the emissions are monitored in accordance with our license conditions; and the recycled product is of the highest quality, able to be beneficially reused.

We also take care of our community and take pride in being transparent. EarthSure also operates under a buy local-hire local, company policy to maintain deep engagement with our community.

We make it easy and cost-effective for you to minimise the risks of managing and disposing of contaminated and hazardous waste.





From contaminated waste to new resource

At EarthSure, we're committed to returning thermally treated material to the market for beneficial reuse, ready to contribute to a cleaner, greener future.

Our advanced processes produce high standard material for beneficial reuse in a number of applications, including but not limited to:

Aggregate suitable for roadbase or construction purposes

Capping layer material

Cleanfill alternatives



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