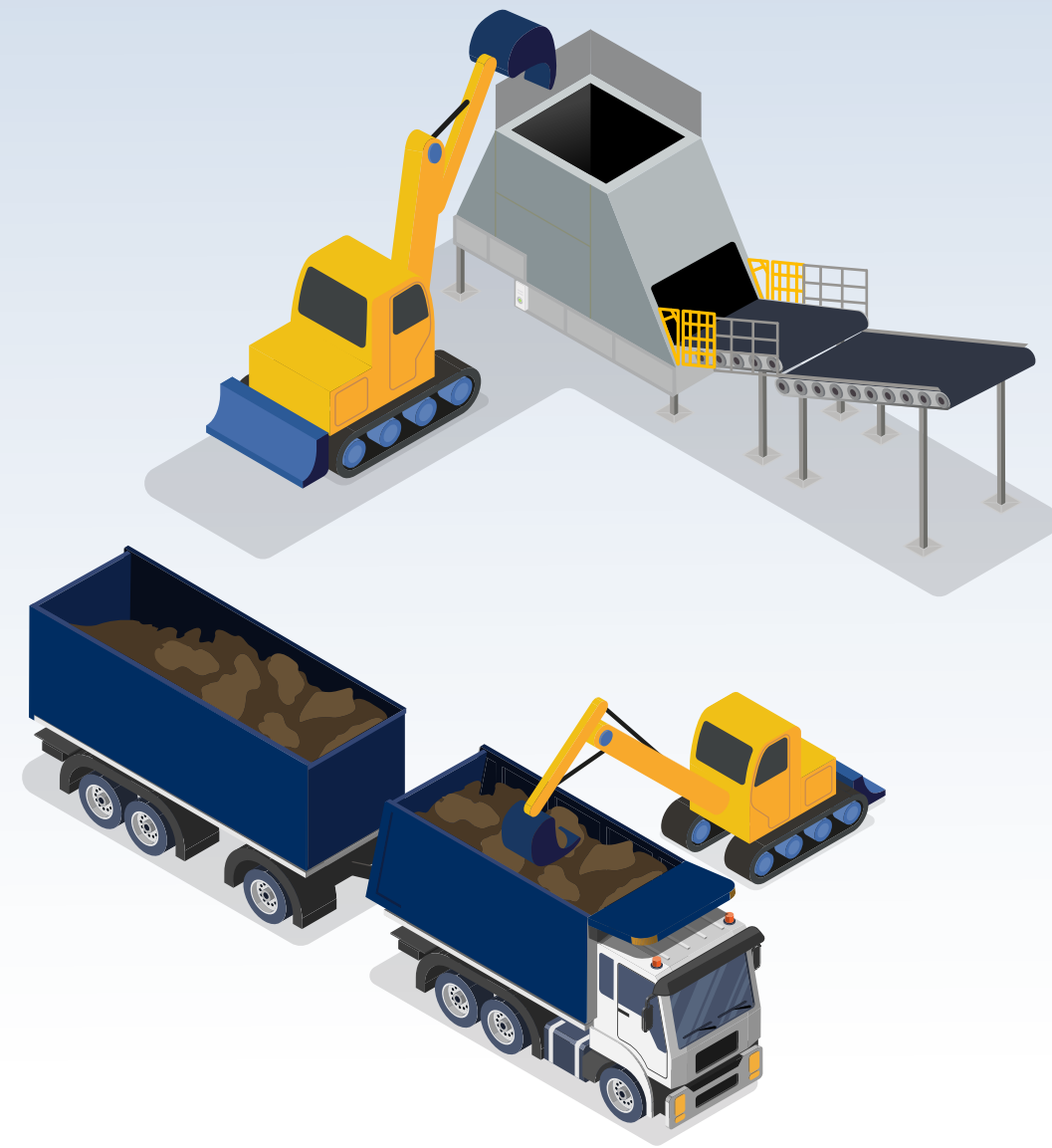


HOW EARTHSURE'S THERMAL DESORPTION TREATS PFAS

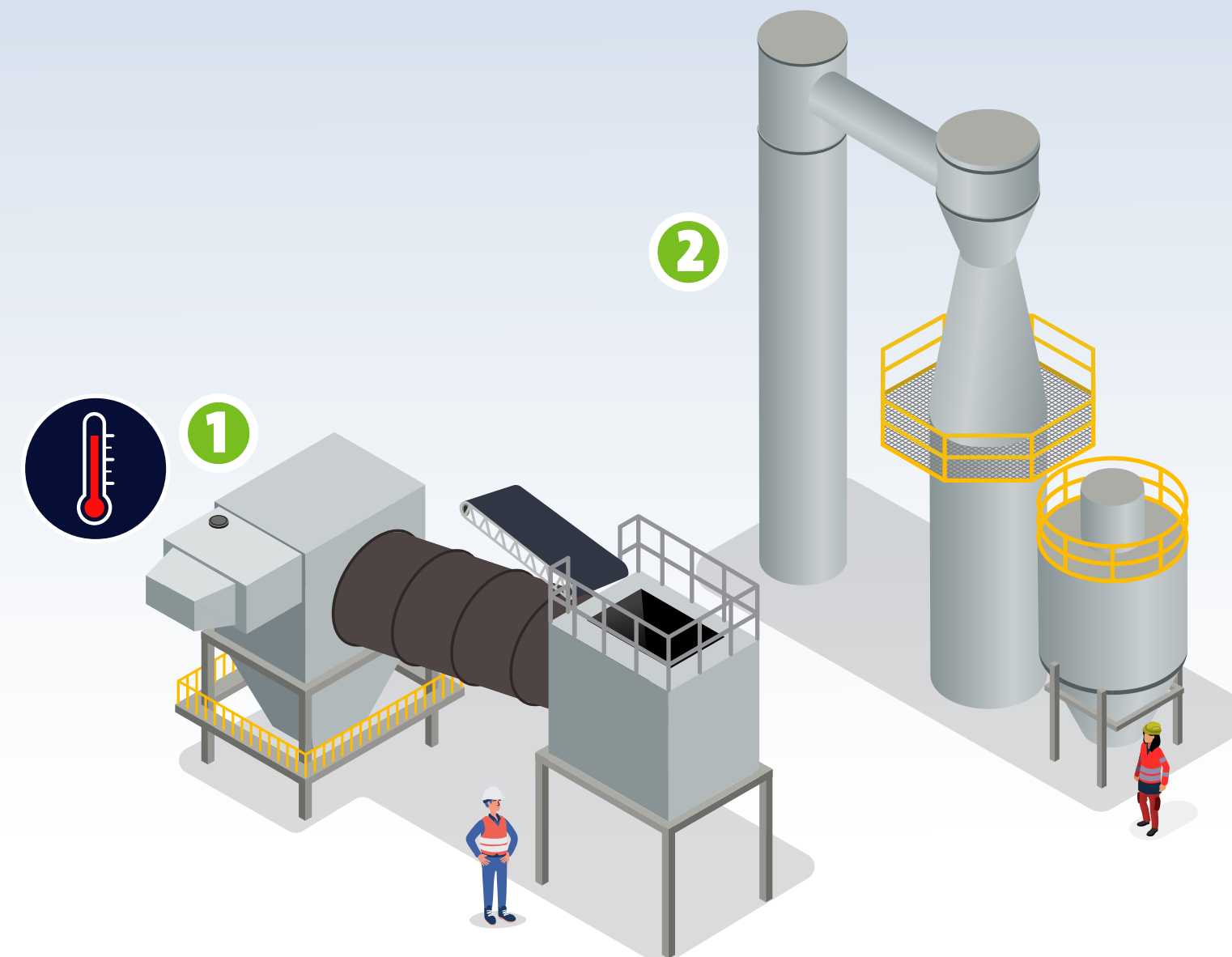
INPUT



Priority waste containing complex PFAS is collected and transported to the site under an EPA waste transport certificate.

The material is received at the enclosed **EarthSure** facility, where it begins the thermal desorption process.

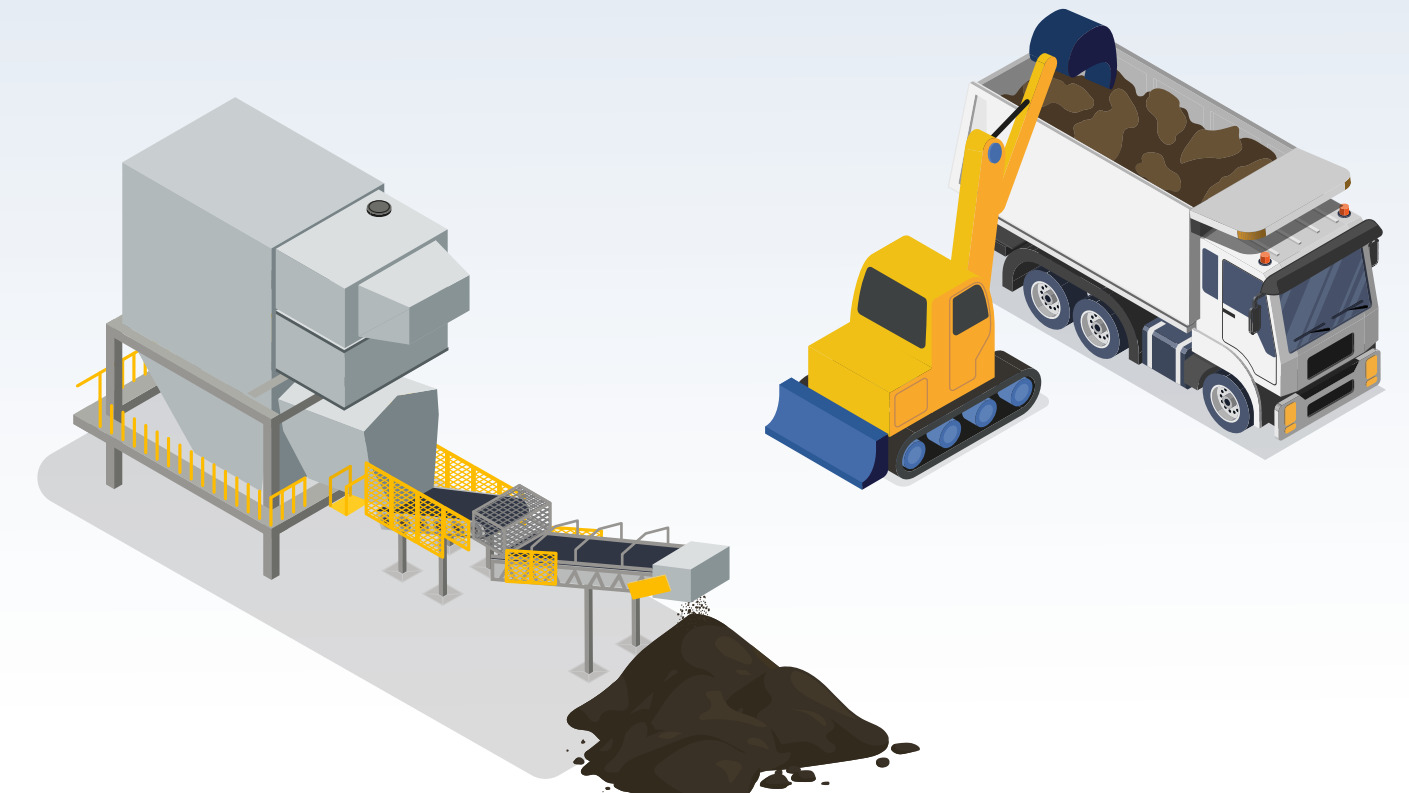
PROCESS



Thermal desorption has two key processes:

- 1 The rotary dryer heats the waste to drive contaminants into the gaseous phase.
- 2 The vapours are heated to temperatures in excess of 930C. At these temperatures the PFAS molecules are converted into simple compounds including carbon dioxide and sodium fluoride.

OUTPUT



Extra controls are applied to ensure the processed material is treated to standards that comply with regulatory requirements.

The final product is tested to verify that it meets the parameters of natural fill resources.

Recovered material is used as a sustainable alternative to natural resources, following EPA approval.