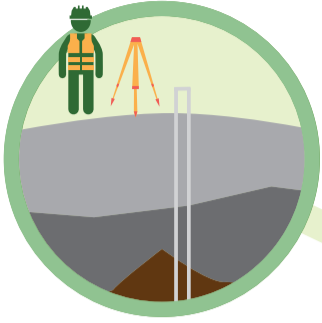


# ENHANCED LANDFILL MINING



1

Before any resources can be recovered from a closed landfill site- a full impact assessment is required to understand what the benefits are to the environment, economy and community.

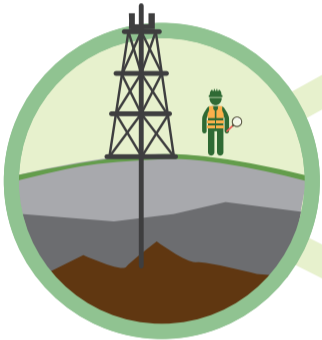
2

Surveys and investigations are conducted to understand how the landfill site has been built, its current condition and records of the types of wastes deposited in the landfill site. This information will inform the management plan for the project.



3

A programme of drilling test boreholes into the landfill site is conducted ahead of engaging with the local community to inform them of the plans, and measures that will be put in place to minimise vehicle movements and potential odours from digging up aged waste.



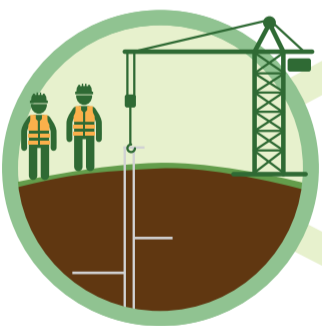
4

In-situ landfill mining will see the excavated materials treated onsite, whereas ex-situ landfill mining operations will take place using excavation equipment, the waste will be sorted and then transported to a specialist licenced facility for treatment where metals can be recovered and reused.



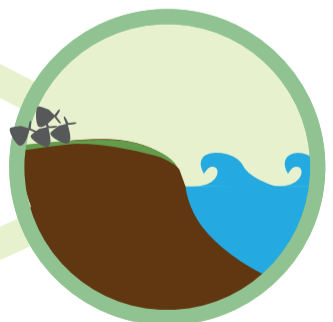
5

Any previous landfill infrastructure including gas equipment (used to capture methane from the decomposing waste) will be removed.



6

The land mining and remediation will then take place making the former landfill site safe for rising flood or sea levels or the land will be landscaped to support future development. Material extracted for resource recovery.



7

The former landfill is now suitable for appropriate regeneration and a planning application may be prepared to meet the needs for future infrastructure or housing.

