



WASTE MANAGEMENT

Fact Sheet

Introduction

Palabora Mining Company is a copper, vermiculite and magnetite mine and conducts underground and surface mining operations with limited to full processing of some of its products, in an open natural system bordering the Kruger National Park nature conservation area – Limpopo Province, South Africa.

Palabora produces large quantities of unwanted material which is not core to its operations – it is the aim of the company's Integrated Waste Management Plan and associate Waste Management License to deal with these materials in the most environmentally friendly manner possible.

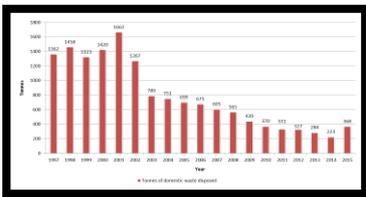
Palabora further employs technologies, experienced environmentalists and expert consultants to assist with identifying the potential impacts of waste on the environment, quantify these impacts and then implement mitigation measures in order to minimise these impacts.



Waste Management

Palabora understands that it is important to avoid waste generation where possible and when not, to reduce the amount of waste the business produces by working smarter with materials. Palabora also understands that there is value in waste and that that value can be unlocked by means of re-use and recycling of wastes, thereby creating jobs while guaranteeing a healthier environment that the company operates in. Palabora has also gone to great lengths to minimise waste disposed of to landfill by separating at source and recovering as much as 20% of wastes which end up at the landfill site.

Taking personal responsibility for managing wastes is at the core of the Palabora waste management ethos, which is strengthened by waste awareness training for employees and contractors alike.



Non-mineral wastes

Non mineral wastes are managed in accordance with Palabora's Waste Management Standard, which deals with elements such as recycling initiatives around paper, plastics, tins, gumboots and glass. Bulk recycling of scrap metals and wood are also highlighted.

Hazardous wastes

Hazardous waste management, also managed according to the Palabora Waste Management Standard, deals with the responsible storage, handling, transport and re-purpose or disposal of wastes like batteries, printer cartridges, health-care-risk wastes, chemical wastes (acids, PCBs, hydrocarbons), asbestos and fluorescent tubes to name a few. Palabora also boasts a structured approach to the management of contaminated land arising from historic operations.

Mineral and Processing Wastes

Mineral and Processing wastes largely comprises of tailings, waste rock, slag and boiler ashes which are managed according to Palabora's Environmental Management Plan and other related documentation. Responsible disposal practices remain a key priority. Some mineral wastes such as dolerite rock and boiler ash are re-purposed for other uses both inside and out of Palabora's operations.

Emergency preparedness

Palabora has taken the necessary steps to ensure that environmental incidents like chemical spills receive the necessary response, strengthened by resources, training and an alert team.

Legal Requirements

As required by the National Environmental Management Waste Act, Act 59 of 2008, Palabora Copper holds a Waste Management licence for all waste activities across site. This Waste Licence is audited annually by an external party and is subject to inspections and audits from the Department of Environmental Affairs, at their discretion.

