

Abstract Mike Vaisey:

Delivering an environmentally responsible and traceable supply chain for rare earths

This presentation provides an update of Lynas' operations at Mt Weld in Western Australia, and the Advanced Materials Plant in Malaysia which is ramping up to the nameplate capacity of 22,000 tpa REO, and serving customers in Japan, North America, Europe and China.

An account of the reasons for selecting Malaysia as a refining location are provided as well as an outline of the Lynas supply chain for PrNd from Mt Weld to magnet makers. Also presented is a description of the environmental considerations for the mining and processing of different rare earth mineral types. Responsible processing requires investment in process technologies specific to the rare earth mineral chemistry and the reagent regimes selected for the rare earth separation and product precipitation. An overview of the Lynas investment in environmental processes is provided.

Leading manufacturers of green technologies require confidence in the environmental performance of rare earth producers supply chain to support the green authenticity of their products, and are moving to validate their rare earth supply chains.