

THE GEOLOGICAL AND ENVIRONMENTAL ASPECTS OF THE QUARRY INDUSTRY

Prepared by: Loo Tien How @ Loh Tien How

ABSTRACT

	Description
Geological Material and Rock Structures	Classification of rocks – Sedimentary rocks – Igneous rocks – Metamorphic rocks – Superficial deposits – Rock structures: bedding planes; folding; joints; scoriaceous structure; foliation; faults
Selecting a Site	Introduction, site selection/preparation, drilling/overburden removal, permitting, terminology
Dust Management	Introduction, effects of particulate matter, sources of TSP and fine particulate matter, approaches to dust control
Environmental Protection	Air quality, noise and vibration, water management, water quality, soil conservation, flora and fauna, archaeology and heritage protection, transport, subsidence, rehabilitation, visual impacts, hazard and risk assessment, waste management, socio-economic issues