

MINERAL DEVELOPMENT (OPERATIONAL MINING SCHEME, PLANS AND RECORD BOOKS) REGULATIONS 2007

PU(A) 067/2007

IN exercise of the powers conferred by paragraph 63(2)(g) of the Mineral Development Act 1994 [*Act 525*], the Minister makes the following regulations:

1. Citation and commencement

(1) These regulations may be cited as the Mineral Development (Operational Mining Scheme, Plans and Record Books) Regulations 2007.

(2) These Regulations come into operation on 15 February 2007.

2. Interpretation

In these Regulations, unless the context otherwise requires-

"hazardous material"; means any material that, because of its quantity, concentration or physical or chemical characteristics, may result in a potential hazard to human health and safety or to the environment; and

"Manager"; means the Manager appointed under the Mineral Development Act 1994.

3. Operational mining scheme

(1) An operational mining scheme shall consist of information as follows:

- (a) surface rights ownership;
- (b) all leases, deeds and agreements with surface rights owners;
- (c) description of the site including all significant surface features;
- (d) an assessment of ground stability of the workings of the mine;
- (e) detailed location of the proposed mine workings;
- (f) mineable ore reserves including measured, possible or inferred ore reserves;
- (g) proposed mining methods;
- (h) schedules for all surface and underground development work;
- (i) mining equipment to be used;
- (j) category and number of workers required during each phase of development works and production;

(k) for underground operation, details of underground development work including the engineering drawings, ventilation, roof support, dewatering, and distribution of services connected thereto;

(l) methods and procedures for removal of mineral ore and wastes;

(m) processing and smelting method, if any, including equipment and hazardous material to be used;

(n) methods for handling hazardous materials and explosive, including transportation, usage and storage;

(o) haulage and traffic management;

(p) storage of tailings, top soil, overburden, mineral ore and wastes;

(q) environmental protection measures including pollution control, monitoring and contingency plans;

(r) safety procedures during development work; and

(s) proposed progressive rehabilitation and post mine closure plans.

(2) An operational mining scheme shall be prepared, signed and attested to conform to good professional practice by a consultant.

(3) In this regulation-

"consultant"; means a professional mining or mineral resources engineer registered with the Board of Engineers, Malaysia; and

"ore reserve"; means the grade and tonnage of a mineral deposit which has been identified with reasonable means either by drilling or other means.

4. Plans of the workings of the mine

(1) The manager shall maintain accurate plans of the workings of the mine through actual survey, consisting details as follows:

(a) surface layout;

(b) separate drawings on the horizontal plane for each level showing all underground workings, including shafts, electrical and ventilation systems, tunnels, diamond drill hole, dams and bulkheads; and

(c) separate drawings on the vertical plane of all mine sections at suitable intervals and azimuths, showing all shafts, electrical and ventilation systems, tunnels, drifts, stopes and other mine workings in relation to the surface, including the location of any known watercourse or body of water.

(2) In this regulation, "bulkhead"; means a structure for the impoundment of water, compressed air, hydraulic backfill or any material in an underground opening where the potential pressure against the structure will be in excess of 100 kilopascals.

5. Record books on operation

The Manager shall maintain record books consisting details as follows:

- (a)* mine organizational structure;
- (b)* metallurgical balance of the ore processing;
- (c)* prospecting results;
- (d)* geological information of the tenement;
- (e)* mine safety inspection;
- (f)* pollution control monitoring;
- (g)* blasting records;
- (h)* mine ventilation monitoring;
- (i)* production and sales records;
- (j)* hazardous materials and toxic chemicals;
- (k)* vehicles;
- (l)* accidents;
- (m)* rehabilitation;
- (n)* ore waste and overburden;
- (o)* financial obligations towards the Federal and State Governments.