

NORTHERN TERRITORY OF AUSTRALIA
AMENDMENTS OF MINE MANAGEMENT REGULATIONS

TABLE OF PROVISIONS

Regulation

1. Principal Regulations
2. Interpretation
3. New regulation:
"7A. CERTIFICATION OF EQUIPMENT OPERATORS"
4. Emergency rescue and evacuation procedures
5. New regulation:
"11A. MEDICAL EXAMINATION"
6. Inspection of medical certificates
7. Repeal
8. Airborne contaminants
9. Material safety data sheets and registers
10. Labels
11. Repeal
12. Repeal and substitution:
"34. SAFETY BELTS AND ROPES"
13. Repeal
14. Unusual blasting methods
15. Repeal
16. Moveable and mobile machine protection
17. New regulation:
"56A. PORTABLE MACHINE PROTECTION"
18. Touch voltage limitation on high voltage
moveable and mobile machines
19. Work on high voltage apparatus
20. Routine tests
21. Repeal
22. Repeal and substitution:
"69. RIDING IN CAGE"
23. Mobile equipment
24. Repeal and substitution:
"113. WORKING ON TOP OR OUT OF L.H.D. OR
I.T.C."

25. New regulations:
- "116A. OPERATORS OF WINDING ENGINES
 - "116B. WINDING LICENCE
 - "116C. CANCELLATION, SUSPENSION, &c., OF LICENCE
 - "116D. MANAGER TO REPORT NEGLIGENCE OF WINDING ENGINE DRIVER
 - "116E. WINDING ENGINE LOG BOOK
 - "116F. APPROVAL OF WINDING ENGINES"
26. New regulation:
- "137A. MAXIMUM LOAD OF WINDING ENGINE"
27. Repeal and substitution:
- "138. SAFE WORKING LOAD OF WINDING ENGINE"
28. Drum winding ropes - factors of safety
29. Withdrawal of drum winding ropes
30. New regulation:
- "149A. OPERATION TESTING"
31. Testing of ropes
32. Friction winding ropes - factors of safety
33. Repeal
34. Tailings dams and water storage dams
35. Repeal
36. Penalties
37. Schedule 1
38. Schedule 2
39. New Schedule:
- "SCHEDULE 2A"
40. Further amendments

SCHEDULE

NORTHERN TERRITORY OF AUSTRALIA

Regulations 1995 No. 16*

Regulations under the *Mine Management Act*

I, KEITH JOHN AUSTIN ASCHE, the Administrator of the Northern Territory of Australia, acting with the advice of the Executive Council, hereby make the following Regulations under the *Mine Management Act*.

Dated 28 April 1995.

K.J.A. ASCHE
Administrator

AMENDMENTS OF MINE MANAGEMENT REGULATIONS

1. PRINCIPAL REGULATIONS

The Mine Management Regulations are in these Regulations referred to as the Principal Regulations.

2. INTERPRETATION

Regulation 2 of the Principal Regulations is amended -

- (a) by inserting before the definition of "airborne contaminant" the following:

"'adit' means a horizontal or near horizontal entrance to a mine;"

- (b) by omitting the definitions of "back" and "cap lamp";

* Notified in the *Northern Territory Government Gazette* on 10 May 1995.

Mine Management Regulations

- (c) by omitting from the definition of "hazardous substance" the words "or safety";
- (d) by omitting from the definition of "load haul dump" the words "diesel engined powered,";
- (e) by inserting after the definition of "monkey" the following:

"'movable machine' means an electrically operated machine that is, from the nature of its use, required to be moved, from time to time, with its power source disconnected;"

- (f) by inserting after the definition of "ore pass" the following:

"'pentice' means a cover or roof over a sinking shaft for the protection of employees working below in the shaft;"

- (g) by inserting after the definition of "underground" the following:

"'winding engine' means a mechanical appliance by which persons or materials are raised or lowered by a rope or ropes in a vertical or inclined shaft at a mine;"

- (h) by inserting after the definition of "winding engine log book" the following:

"'winding licence' means a winding licence granted under these Regulations;" and

- (j) by omitting the definition of "winze".

3. NEW REGULATION

The Principal Regulations are amended by inserting after regulation 7 the following:

"7A. CERTIFICATION OF EQUIPMENT OPERATORS

"An operator of industrial equipment at a mine, other than earth moving equipment, shall be certified in accordance with Worksafe document NOHSC:1006 or NOHSC:7019, as is appropriate."

4. EMERGENCY RESCUE AND EVACUATION PROCEDURES

Regulation 10 of the Principal Regulations is amended -

- (a) by omitting "Emergency rescue procedures" and substituting "(1) Emergency rescue and evacuation procedures"; and

Mine Management Regulations

(b) by adding at the end the following:

"(2) A copy of procedures prepared under subregulation (1) shall be forwarded to the Chief Government Mining Engineer not later than 14 days after a request for the copy is made by the Chief Government Mining Engineer."

5. NEW REGULATION

The Principal Regulations are amended by inserting after regulation 11 the following:

"11A. MEDICAL EXAMINATION

"(1) An employee who may be exposed to a health risk at a mine may be directed to undergo such medical examinations, at such times, as the Chief Government Mining Engineer may specify.

"(2) An employee directed under subregulation (1) shall not refuse to undergo a medical examination as and when specified by the Chief Government Mining Engineer."

6. INSPECTION OF MEDICAL CERTIFICATES

Regulation 12 of the Principal Regulations is amended -

(a) by inserting at the beginning the following:

"(1) A person who conducts a medical examination of an employee under these Regulations shall provide a copy of the medical certificate relating to the employee to the manager of the mine at which the employee is employed."; and

(b) by omitting "Where" and substituting "(2) Where".

7. REPEAL

Regulation 13 of the Principal Regulations is repealed.

8. AIRBORNE CONTAMINANTS

Regulation 15 of the Principal Regulations is amended -

(a) by omitting "A person at a mine" and substituting "(1) Dust at a mine shall be kept at a minimum and an employee at the mine"; and

(b) by adding at the end the following:

"(2) The Chief Government Mining Engineer may, for the purposes of this regulation, classify a mine or a part of a mine, and monitoring of airborne dust and

Mine Management Regulations

contaminants at the mine or part so classified shall be undertaken at intervals determined in accordance with Schedule 2A for the classification."

9. MATERIAL SAFETY DATA SHEETS AND REGISTERS

Regulation 20(1) of the Principal Regulations is amended -

- (a) by omitting from paragraph (a) "displayed" and substituting "available to all employees";
- (b) by inserting after paragraph (a) the following:
 - "(aa) the immediate first aid or emergency data for contact with the hazardous substance shall be prominently displayed, and the first aid or emergency supplies for dealing with contact with the hazardous substance shall be readily accessible, at all places at the mine at which the hazardous substance is used;"; and
- (c) by omitting from paragraph (c) "and maintained" and substituting "and maintained and shall be made available to an inspector on request".

10. LABELS

Regulation 21 of the Principal Regulations is amended -

- (a) by omitting from subregulation (1) "A container" and substituting "A container at a mine"; and
- (b) by omitting subregulations (3), (4) and (5).

11. REPEAL

Regulations 24, 25, 27, 28, 29, 30, 31, 32, 33 and 35 of the Principal Regulations are repealed.

12. REPEAL AND SUBSTITUTION

Regulation 34 of the Principal Regulations is repealed and the following substituted:

"34. SAFETY BELTS AND ROPES

"(1) A safety belt shall be provided for use by an employee working underground at a mine.

"(2) A safety belt and rope shall be provided for use by an employee working -

- (a) at a precipitous place or on a loose rock slope at a mine;
- (b) at a chute, pass or bin at a mine; or

Mine Management Regulations

- (c) at a place at a mine where there is a risk that the employee may fall from a height."

13. REPEAL

Regulation 43 of the Principal Regulations is repealed.

14. UNUSUAL BLASTING METHODS

Regulation 47 of the Principal Regulations is amended by omitting subregulation (1) and substituting the following:

"(1) An inspector shall be notified of -

(a) a new blasting method to be used; or

(b) an unusual application of explosives or equipment used with explosives,

at a mine."

15. REPEAL

Regulation 50 of the Principal Regulations is repealed.

16. MOVABLE AND MOBILE MACHINE PROTECTION

Regulation 56 of the Principal Regulations is amended -

(a) by omitting from subregulation (1) "A mobile machine or transportable machine" and substituting "A movable machine or mobile machine"; and

(b) by omitting subregulations (3) and (4).

17. NEW REGULATION

The Principal Regulations are amended by inserting after regulation 56 the following:

"56A. PORTABLE MACHINE PROTECTION

"A portable machine or apparatus at a mine, and associated cable, operating at a voltage exceeding extra-low voltage shall be protected by an earth leakage current protection device of the instantaneous type set to operate at a value not exceeding 30 milliamperes."

Mine Management Regulations

18. TOUCH VOLTAGE LIMITATION ON HIGH VOLTAGE MOVABLE AND MOBILE MACHINES

Regulation 60(1) of the Principal Regulations is amended by omitting "transportable" and "fitted with" and substituting "movable" and "protected by", respectively.

19. WORK ON HIGH VOLTAGE APPARATUS

Regulation 61(a) of the Principal Regulations is amended by omitting "access permit" and substituting "access permit issued by a qualified person who is not the person who is to perform the work".

20. ROUTINE TESTS

Regulation 62 of the Principal Regulations is amended -

(a) by omitting "An electrician" and substituting "(1) An electrician"; and

(b) by adding at the end the following:

"(2) A record made under subregulation (1) shall be made available to an inspector on request."

21. REPEAL

Regulations 67, 68 and 72 of the Principal Regulations are repealed.

22. REPEAL AND SUBSTITUTION

Regulation 69 of the Principal Regulations is repealed and the following substituted:

"69. RIDING IN CAGE

"Where a person is lifted in a cage suspended from a crane at a mine, details of the lift shall be recorded in the mine record book as soon as possible after the lift occurs."

23. MOBILE EQUIPMENT

Regulation 76 of the Principal Regulations is amended -

(a) by omitting from subregulation (2) "Mobile equipment" and substituting "When required by an inspector, mobile equipment";

(b) by omitting subregulation (2)(d) and substituting the following:

"(d) mirrors or other devices for safety in reversing;"

Mine Management Regulations

- (c) by omitting from subregulation (2)(e) "extinguishers;" and substituting "extinguishers; and";
- (d) by omitting subregulation (2)(f); and
- (e) by adding at the end the following:

"(3) Where mobile equipment is used underground at a mine, it shall be fitted with -

- (a) an integrated fire extinguishing system; and
- (b) if operated remotely, a fire extinguishing system actuator fitted to the remote control."

24. REPEAL AND SUBSTITUTION

Regulation 113 of the Principal Regulations is repealed and the following substituted:

"113. WORKING ON TOP OR OUT OF L.H.D.

"(1) A load haul dump shall not be used to transport employees at a mine.

"(2) Subject to subregulation (3), employees shall not be lifted by a mobile machine or transportable machine to carry out work at a mine without the approval of an inspector.

"(3) Employees may be lifted in the bucket of a load haul dump to carry out minor work provided the bucket is free from debris and the employees are wearing a safety belt or harness securely fastened to the bucket.

"(4) A qualified person shall remain at the controls of a load haul dump, mobile machine or transportable machine while employees are being lifted to carry out work."

25. NEW REGULATIONS

The Principal Regulations are amended by inserting in Division 1 of Part 14, before regulation 117, the following:

"116A. OPERATORS OF WINDING ENGINES

"An employee shall not operate or be in charge of a winding engine at a mine unless the employee is -

- (a) the holder of a winding licence in respect of the winding engine; or
- (b) operating or in charge of the winding engine in accordance with these Regulations.

Mine Management Regulations

"116B. WINDING LICENCE

"(1) A person may apply to the Chief Government Mining Engineer for a winding licence.

"(2) Subject to this regulation, the Chief Government Mining Engineer, on receipt of an application under subregulation (1), may grant or refuse the application.

"(3) The Chief Government Mining Engineer shall not grant a winding licence unless the applicant possesses -

- (a) the original of a certificate of a medical practitioner, obtained not more than 30 days before the date of the application, stating that, in the opinion of the medical practitioner, the applicant is not suffering from any physical disability or condition which would make the applicant unfit to hold a winding licence; and
- (b) the approved qualifications.

"(4) A winding licence may be subject to such restrictions, limitations and conditions as the Chief Government Mining Engineer thinks fit and specifies in the licence.

"(5) The holder of a winding licence shall not operate, or be in charge of, a winding engine -

- (a) in contravention of a restriction, limitation or condition to which the licence is subject; or
- (b) if he or she does not possess a medical certificate from a medical practitioner, obtained within the preceding year, stating that, in the opinion of the medical practitioner, the person is not suffering from any physical disability or condition which would make the person unfit to operate, or be in charge of, a winding engine.

"116C. CANCELLATION, SUSPENSION, &c., OF LICENCE

"(1) The Chief Government Mining Engineer, on being satisfied that the holder of a winding licence -

- (a) is not physically or mentally fit to hold the licence;
- (b) has been negligent or guilty of misconduct while operating or in charge of a winding engine; or
- (c) has contravened or failed to comply with a restriction, limitation or condition to which the winding licence is subject,

may -

- (d) cancel;

Mine Management Regulations

(e) suspend; or

(f) vary a restriction, limitation or condition of,
the licence.

"(2) For the purposes of subregulation (1)(a), the Chief Government Mining Engineer shall require the holder of a winding licence to undergo an examination by a medical practitioner at least once a year and the original of the certificate showing the results of the examination shall be forwarded to the Chief Government Mining Engineer.

"(3) Where, under subregulation (1), the Chief Government Mining Engineer cancels or suspends, or varies a restriction, limitation or condition of, a winding licence, the Chief Government Mining Engineer shall notify the holder of the licence of the cancellation, suspension or variation.

"(4) The holder of a winding licence shall, not later than 14 days after being notified under subregulation (3), deliver the licence to the Chief Government Mining Engineer.

"(5) Where the Chief Government Mining Engineer has, under subregulation (1), varied a restriction, limitation or condition of a winding licence, the Chief Government Mining Engineer shall, on receiving the licence under subregulation (4), endorse the licence accordingly and return it to the holder.

"(6) A person whose winding licence is suspended shall cease to be the holder of the winding licence during the period of suspension.

"116D. MANAGER TO REPORT NEGLIGENCE OF WINDING ENGINE DRIVER

"Where the holder of a winding licence is -

(a) negligent; or

(b) guilty of misconduct,

in the performance of any duties relating to the winding engine at a mine whereby the safety of any employee at the mine is or may be endangered, the manager of the mine shall

(c) direct the holder of the winding licence to cease operating or, where the holder is in charge of the winding engine, to cease performing any duties in respect of the winding engine; and

Mine Management Regulations

- (d) as soon as practicable, notify the Chief Government Mining Engineer and enter details in the mine record book.

"116E. WINDING ENGINE LOG BOOK

"(1) The owner, agent or manager of a mine shall keep at the mine a winding engine log book in respect of each winding engine at the mine.

"(2) The owner, agent or manager of a mine shall make the winding engine log book available at all reasonable times for examination by -

- (a) an inspector;
- (b) an employee at the mine; or
- (c) a person authorised in writing for that purpose by the Minister.

"116F. APPROVAL OF WINDING ENGINES

"A winding engine shall not be -

- (a) installed at a mine;
- (b) commissioned at a mine; or
- (c) operated at a mine after a change is made to a design or safety feature of the engine,

unless the prior approval of the Chief Government Mining Engineer has been obtained."

26. NEW REGULATION

The Principal Regulations are amended by inserting after regulation 137 the following:

"137A. MAXIMUM LOAD OF WINDING ENGINE

"The maximum safe working load of a winding engine is that specified by the manufacturer less the mass of the winding rope calculated by reference to the depth of the shaft and the mass of the conveyance and attachments on the winding engine."

27. REPEAL AND SUBSTITUTION

Regulation 138 of the Principal Regulations is repealed and the following substituted:

"138. SAFE WORKING LOAD OF WINDING ENGINE

"(1) A winding engine at a mine shall not be used to raise or lower a load greater than the maximum safe working load of the winding engine.

Mine Management Regulations

"(2) A sign displaying the maximum safe working load of a winding engine shall be clearly and conspicuously displayed in the winding engine control room and at the surface level or brace of the winding engine."

28. DRUM WINDING ROPES - FACTORS OF SAFETY

Regulation 144(1) of the Principal Regulations is amended by omitting the Table and substituting the following:

"TABLE

Column 1 Purpose	Column 2 Factor of safety
Transporting persons	7.5 less 0.001 LW
Transporting rock or material	5.5 less 0.0003 LW
Guide or rubbing rope	5

29. WITHDRAWAL OF DRUM WINDING ROPES

Regulation 145 of the Principal Regulations is amended -

- (a) by omitting "winding rope" and substituting "winding rope on a drum winding engine"; and
- (b) by omitting from paragraph (c) "possible position" and substituting "possible working position".

30. NEW REGULATION

The Principal Regulations are amended by inserting after regulation 149 the following:

"149A. OPERATION TESTING

"A conveyance in a shaft at a mine shall not be used to transport persons after -

- (a) a stoppage to repair a defect in the winding engine, shaft, conveyance or counterweight which may affect the safe operation of the winding engine;
- (b) being idle for longer than 4 hours;
- (c) a seismic occurrence at the mine;
- (d) material has fallen down the shaft; or

Mine Management Regulations

(e) immediately before the change of a shift,

unless the conveyance has made one complete unobstructed trip up and down the shaft."

31. TESTING OF ROPES

Regulation 158 of the Principal Regulations is amended

(a) by omitting from subregulation (1) "6 months" and substituting "6 months at a mine"; and

(b) by omitting from subregulation (4) "are 2 or more layers of rope on a drum winding engine, the rope at the drum" and substituting "is a cross-over on a rope drum, the rope".

32. FRICTION WINDING ROPES - FACTORS OF SAFETY

Regulation 172 of the Principal Regulations is amended by omitting the Table and substituting the following:

"TABLE

Column 1 Purpose	Column 2 Minimum factor of safety		
	Single rope	2 or 3 ropes	4 or more ropes
Transporting persons	7.5	6.9	6.3
Transporting rock or material	6.8	6.2	5.6
Balance rope	6	6	6
Guide or rubbing rope	5	5	5

33. REPEAL

Regulation 188 of the Principal Regulations is repealed.

34. TAILINGS DAMS AND WATER STORAGE DAMS

Regulation 189 of the Principal Regulations is amended by adding at the end the following:

"(3) Notices warning of the dangers associated with a dam at a mine shall be erected, in prominent positions, on all access routes approaching the dam.

Mine Management Regulations

"(4) Life-saving equipment, of an approved type, shall be provided near a dam at a mine, when directed by an inspector."

35. REPEAL

Regulation 190 of the Principal Regulations is repealed.

36. PENALTIES

Regulation 197 of the Principal Regulations is amended by adding at the end the following "for an individual or \$50,000 for a body corporate".

37. SCHEDULE 1

Schedule 1 to the Principal Regulations is amended -

(a) by inserting after the reference to AS 1657 the following:

"AS 1885 Measurement of occupational health and safety performance
AS 2759 Steel wire rope - Application guide";

(b) by inserting after Part 6 the following:

"Part 6A - Occupational Health

"AS 1269 Acoustics - Hearing conservation
AS 1319 Safety signs for the occupational environment";

(c) by inserting after the reference to AS 2359 the following:

"AS 2550 Cranes - Safe use";

(d) by inserting after the reference to AS 3992 the following:

"AS 4024 Safeguarding of machinery"; and

(e) by inserting after the reference to AS 2664 the following:

"AS 2958 Earth-moving machinery- Wheeled machines- Performance requirements and test procedures for braking systems".

38. SCHEDULE 2

Schedule 2 to the Principal Regulations is amended -

(a) by omitting the reference to AS 1269 in Part 4 and substituting the following:

"AS 1216 Classification, hazard identification and information systems for dangerous goods";

Mine Management Regulations

- (b) by omitting the reference to AS 1319 in Part 4;
- (c) by inserting after the reference to AS 2670 in Part 4 the following:

"AS 2714 The storage and handling of hazardous chemical material - class 5.2 substances (organic peroxides)"; and

- (d) by omitting the reference to AS 2759 in Part 14.

38. NEW SCHEDULE

The Principal Regulations are amended by inserting after Schedule 2 the following:

"SCHEDULE 2A

Regulation 15(2)

Classification	Sampling Frequency of Each Area Classified
Higher risk	3 monthly
Low risk	Annually (between 1 June and 30 September)
Negligible risk	As determined by the Chief Government Mining Engineer
No risk	None required

40. FURTHER AMENDMENTS

The Principal Regulations are further amended as specified in the Schedule.

Mine Management Regulations

SCHEDULE

Regulation 40

Provision	Amendment	
	omit	substitute
Regulations 7(1), 8, 12, 15, 16(3), 17(1), 18, 20(3), 22(1) and (2), 39(3), 70, 75 81, 89, 90, 94, 106, 114 117, 122, 125, 126, 129, 144, 150, 157, 162 172, 180 and 181	"a person" (wherever occurring)	"an employee"
Regulations 7(1) and (3), 16(2) and 149	"a person's"	"an employee's"
Regulations 7(2), 8(1), 9(2), 11, 16(3), 17(1), 18, 22, 39(2), 61, 71, 75, 81, 93, 117, 129, 131, 150, 152 and 181	"the person" (wherever occurring)	"the employee"
Regulations 7(2), 9(2), 13, 18(2), 16(1), 20(4), 38(2), 39, 71, 81, 89, 93, 99, 101, 109, 114, 117, 127, 152, 163, 176 and 182	"A person" (wherever occurring)	"An employee"
Regulations 8, 60, 64 and 66	"Penalty: \$5,000" (wherever occurring)	
Regulations 9(1) 39(1), 52, 73, 89, 91, 96, 121, 123, 132, 135, 137, 140, 144, 147, 148, 149, 151, 155, 156, 168, 172, 181, 191, and 194	"persons" (wherever occurring)	"employees"
Regulation 11	"(1) A record"	"A record"
	"each person"	"each employee"
Regulations 11, 117 and 181	"the person's"	"the employee's"
Regulation 17(2)	the whole subregulation	
Regulation 23(a)	"instruction"	"training"

Mine Management Regulations

Regulation 37(1)	"A person employed"	"An employee"
Regulation 51(1)	the whole subregulation	
Regulation 52(2) (d)	"and maintenance equipment"	
Regulation 54(1)	"on the surface"	
	"protected"	"protected on the surface"
Regulation 54(2)	the whole subregulation	
Regulation 57	"mobile or transportable"	"movable or mobile"
Regulation 59(1)	"mobile"	"movable"
	"transportable"	"mobile"
Regulation 71	"platform"	"platform securely fixed and"
Regulation 80(3)	"A person operating"	"An operator of"
Regulations 81 and 93	"another person"	"another employee"
Regulation 105	"forwarded"	"forwarded in writing"
Regulation 112(c)	"driver"	"driver and passengers"
Regulation 119	"The manager"	"(1) The manager"
	"section 16"	"section 15"
	"(3) "	"(2) "
	"(2) (c) "	"(1) (c) "
Regulation 140(1)	"sinking"	
Regulation 149(3)	the whole subregulation	
Regulation 151(1)	"a conveyance"	"a conveyance at a mine"
Regulation 158(5)	"(1) (b) "	"(1) (a) "