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RADIATION SAFETY ACT, 1975-1979.

Department of Public Health,
Perth, 3rd June, 1980.

P.H.D. 57/76/1; Ex. Co. 1432.

THE Lieutenant Governor and Administrator in Executive Council, acting pursuant to the provisions of the Radiation Safety Act, 1975-1979, has been pleased to make the regulations set out in the Schedule hereto.

J. C. McNULTY,
Commissioner of Public Health
and Medical Services.

Schedule.

REGULATIONS.

1. These regulations may be cited as the Radiation Safety (Qualifications) Regulations, 1980. Citation

2. In these regulations, unless the context otherwise requires— Interpretation.

"approved" means approved by the Council;

"microwave oven" means electronic product which—

(a) is designed primarily for the heating of foodstuffs and related products;

(b) generates electromagnetic radiation with a nominal frequency of 915 MHz or 2.45 GHz; and

(c) delivers the radiation referred to in paragraph (b) of this definition into an enclosure so designed that objects inserted in that enclosure are heated by that radiation;

"NHMRC" means National Health and Medical Research Council;

"regulation" means one of these regulations;

"subregulation" means subregulation of the regulation in which the term appears;

"the Act" means the Radiation Safety Act, 1975-1979.

3. (1) A person shall not engage in—

(a) the use of—

(i) irradiating apparatus for chiropractic radiography or industrial radiography; or

(ii) radioactive substances for industrial radiography or veterinary therapy;

(b) the testing or repair or both of microwave ovens; or

(c) the installation or repair of—

(i) X-ray apparatus; or

(ii) equipment incorporating radioactive substances,

unless he has passed an examination in radiation safety conducted by or on behalf of the Council, possesses an approved qualification in radiation safety or has been exempted from compliance with this subregulation under subregulation (2).

(2) The Council may, on the application of a person who wishes to engage in one or more of the activities referred to in paragraphs (a), (b) and (c) of subregulation (1), exempt that person from compliance with that subregulation subject to such conditions, restrictions or limitations as the Council may under section 36 of the Act impose.

Qualifications required of persons engaged in certain activities.

Schedule—continued.

- Council may require qualifications of certain persons.** 4. The Council may, for the purpose of ensuring that a person who wishes to operate or use a particular type of radioactive substance, irradiating apparatus or electronic product, other than a radioactive substance, irradiating apparatus or electronic product referred to in subregulation (1) of regulation 3, for a purpose referred to in paragraph (a) of subsection (1) of section 26 of the Act is capable of doing so safely, require that person to pass an examination in radiation safety conducted by or on behalf of the Council or to possess an approved qualification in radiation safety within such period as is specified in that requirement.
- Syllabus for examination in radiation safety.** 5. The syllabus for the examination in radiation safety referred to in regulations 3 and 4 shall consist of such of the subjects specified in the Schedule to these regulations as the Council considers appropriate in each case.
- Penalty.** 6. A person who commits the offence of contravening regulation 3 or a requirement made under regulation 4 is liable on conviction to a fine not exceeding one thousand dollars.

Schedule.

(Regulation 5.)

SUBJECTS COMPRISING SYLLABUS OF
RADIATION SAFETY EXAMINATION

1. Properties and uses of radiation.
2. Production, detection and measurement of radiation.
3. Biological effects of radiation.
4. Circumstances which may give rise to radiation hazards and means of protecting persons from those hazards.
5. Theory and practice of production of radiographic or other images of persons, animals or things for diagnostic purposes.
6. Recognition of technical artefacts, and normal anatomy and pathology of persons shown in images.
7. Measures to be taken to eliminate unnecessary exposure, and to reduce dose from necessary exposure, of persons submitted to radiation for diagnostic purposes.
8. The radiation Safety Act, 1975, and regulations made thereunder, together with all amendments to that Act and those regulations.
9. The standards, rules, codes or specifications entitled—
 - (a) "Code of Practice for the Control and Safe Handling of Sealed Radioactive Sources used in Radiation Therapy (other than Teletherapy)" published in the NHMRC Special Report Series No. 11, 1962;
 - (b) "Code of Practice for Nursing Staff exposed to Ionizing Radiations from Radioactive Substances" published by the NHMRC in May, 1965;
 - (c) "Minimising Radiological Hazards to Patients" published by the NHMRC in May, 1966;
 - (d) "Code of Practice for the Safe Handling of Corpses containing Radioactive Substances" published by the NHMRC in May, 1966;
 - (e) "Notes on Medical Procedure for Radiation Accidents and Radioactive Contamination" published by the NHMRC in May, 1968;
 - (f) "Code of Practice for the Control and Safe Handling of Sealed Radioactive Sources used in Industrial Radiography" published by the NHMRC in May, 1968;
 - (g) "Code of Practice for the Safe Use of X-ray Analysis Equipment" published by the NHMRC in May, 1969;

Schedule—continued.

- (h) "Code of Practice on the Safe Use of Radioactive Luminous Compounds" published by the NHMRC in October, 1971;
- (i) "Code of Practice for the Use of Ionizing Radiations in Secondary Schools" published by the NHMRC in May, 1973;
- (j) "Revised Code of Practice for Radiation Hygiene in Dentistry" published by the NHMRC in November, 1973;
- (k) "Recommendations relating to the Discharge of Patients undergoing Treatment with Radioactive Substances" published by the NHMRC in April, 1975;
- (l) "Code of Practice on the Safe Use of Lasers in Secondary Schools" published by the NHMRC in April, 1975;
- (m) "Recommendations for Exemptions from Licensing of Gaseous Tritium Light Devices" published by the NHMRC in October, 1975;
- (n) "Code of Practice for the Safe Use of Radiation Gauges" published by the NHMRC in October, 1975;
- (o) "Revised Radiation Protection Standards for Individuals exposed to Ionizing Radiation" published by the NHMRC in October, 1967, and reprinted with amendments in 1977;
- (p) "Statement on Cabinet X-ray Equipment for Examination of Letters, Packages, Baggage, Freight and Other Articles for Security and Related Purposes" published by the NHMRC in October, 1975;
- (q) "Procedures for Testing Microwave Ovens" published by the NHMRC in June, 1978;
- (r) "Code of Practice on Radiation Protection in the Mining and Milling of Radioactive Ores" drawn up by the Department of Health of the Commonwealth in 1975 and published by the Australian Government Publishing Service in 1977;
- (s) "Regulations for the Safe Transport of Radioactive Materials" (1973 revised edition) published by the International Atomic Energy Agency in Vienna in 1973;
- (t) "Approval and Test Specification for Electromedical Equipment: Part 5—Dental and Mobile Medical X-ray Machines" published as Australian Standard 3201.5—1977 by the Standards Association of Australia in 1977; and
- (u) "Approval and Test Specification for Particular Requirements for Microwave Ovens" published as Australian Standard 3301—1978 by the Standards Association of Australia in 1978.