

Appendix 8: Publications

Codes of Practice and Safety Guides

Australian Radiation Protection and Nuclear Safety Agency (2012). *Safety Guide for the Use of Radiation in Schools*, Radiation Protection Series No. 18 - republished to include Part 2: Lasers.

Australian Radiation Protection and Nuclear Safety Agency (2011) *Safety Guide for Monitoring, Assessing and Recording Occupational Radiation Doses in Mining and Mineral Processing*, Radiation Protection Series No. 9.1.

Australian Radiation Protection and Nuclear Safety Agency (2011) *National Directory for Radiation Protection*, Edition 6, Radiation Protection Series No. 6. -republished to include Amendment 5.

Technical reports

Long, S & Green, L (2011) *Radioactivity Enhancement Factors of Maralinga Soils*, ARPANSA Technical Report 157, November 2011.

Long, S (2012) *Maralinga Land and Environment Management Plan: ARPANSA Field Survey Report to Department of Resources, Energy & Tourism (DRET)* June 2012.

Conference papers

Burns, D T Lye, J E Roger, P & Butler, D J, (2012) 'Key comparison BIPM.RI(I)-K3 of the air-kerma standards of the ARPANSA, Australia and the BIPM in medium-energy x-rays' 2012 *Metrologia* 49 06007.

Bokor, I Ivanov, Z & Marks, P, (2012) 'A Comparison by use of a Certified ¹³⁷Cs Source of the Accuracy of Clinical Dose Calibrators in Victorian Nuclear Medicine Practices', *ANZSNM Annual Scientific Meeting*, May 2012, Melbourne.

Dunn, L Kenny, J Lye, J Williams, I Lehmann, J & Johnston P (2012) 'Commissioning of Optically Stimulated Luminescence Dosimeters for use in the Australian Clinical Dosimetry Service', *Proceedings of IFMBE*, Beijing 2012.

Gies, P King, K Makin, J Henderson, S Dobinson, S & Javorniczky, J (2011) 'UVR Exposures in Australia are high: Can they be Reduced?' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.

Guilfoyle, R Martin, P (2011) Australian National Radiation Dose Register for Uranium Mining and Milling Industry Workers, *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.

Grzechnik, M (2012) Radiological Protection of Flora and Fauna throughout Australia – Developing a National Approach, *13th International Congress on the International Radiation Protection Association*, May 2012.

Hayton, A Johnston, P Baldas, J Marks, P Tingey, D Edmonds, K & Wallace, A (2012) 'Australian per caput doses from diagnostic imaging and nuclear medicine', *Proceedings of IRPA 13*, www.irpa13glasgow.com/information/downloads/.

Javorniczky, J Gies, P Lock, J Carpenter, J & King, K (2011) 'Ultraviolet Radiation and Blue Light Emissions from Compact Fluorescent Lights' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.

Karipidis K (2011) 'ELF and childhood leukaemia' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.

King, K McLennan, A Javorniczky, J & Gies, P (2011) 'Introduction of a New Method of Reporting Ultraviolet Radiation Dose' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.

Larsson, C-M (2011) 'Introduction to the RPS1 Forum – why are we revising RPS1?' *Australasian Radiation Protection Society Conference*, RPS1 Forum, Melbourne, October 2011.

Larsson, C-M (2011) 'The Biological Basis for Environmental Radiation Protection' *ICRP Symposium*, Bethesda, October 2011.

Larsson, C-M (2011) 'Japan Nuclear Accident - Australia's Response' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.

- Marks, P Wallace, A Edmonds, K Hayton, A & Tingey, D (2012) 'Radiation Protection of the Australian Public via the Introduction of a National Diagnostic Reference Level Scheme' *Proceedings of IRPA 13*, www.irpa13glasgow.com/information/downloads/
- Martin, L (2012) 'Country report on EMF activities' *World Health Organization International Advisory Committee Annual Meeting*, Geneva.
- Martin, P & Tinker, R (2011) 'Development of a Safety Guide on Methods for Monitoring, Assessing and Recording Radiation Doses in Mining and Mineral Processing' *AusIMM International Uranium Conference*, Adelaide, June 2011.
- Martin, P Lange, K Ishimori, Y Mayya, Y S Phaneuf, M & Fesenko, S (2011) 'Measurement and Calculation of Radon Releases from NORM Residues: Development of a new IAEA Document' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.
- O'Brien, R & Dessent, K, (2011) 'Exemption Issues' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.
- O'Brien, R, (2011) 'General Assessment Methodology for NORM and Legacy Sites' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011
- O'Brien, R (2012) 'Management of Operational and Existing Exposure Situations Due to NORM and Natural Radiation: Radiation Protection and Scientific Challenges' *13th International Congress on the International Radiation Protection Association*, May 2012.
- O'Brien, R Woollett, S & Doering, D (2011) 'Control by Design' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.
- Orr, B & Grzechnik, M (2011) 'Emergency Modelling of Airborne Releases from Fukushima Dai-ichi' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.
- Tinker, R (2011) 'Japan Nuclear Accident Australia's Response' *2nd Annual Professional Development Symposium*, Crisis and Opportunity, The Changing Face of Environmental Health, Environmental Health Australia, Halls Gap, Victoria, October 2011.
- Tinker, R Solomon, S & Orr, B (2011) 'Radiation Dose Estimates to Workers and Members of the Public from the Dai-ichi NPP Accident' *Australasian Radiation Protection Society Conference*, Melbourne, October 2011.
- Wallace A B, (2012) 'Radiation dose dependence on MDCT platform and acquisition protocols or CT coronary angiography' *Journal of Medical Imaging and Radiation Oncology*, 56, 1-3.
- Weiss, W Larsson, C-M McKenney, C Minon, J P Mobbs, SF Schneider, T Umeki, H Hilden, W, Pescatore, C & Vesterlind, M (2012) 'ICRP Recommendations on Radiological Protection in Geological Disposal of Long-lived Solid Radioactive Waste' *13th International Congress on the International Radiation Protection Association*, May 2012.
- Williams, I M Kenny J, Lye, J E & Lehman, J, (2012) 'The Australian Clinical Dosimetry Service: The development and delivery of a national dosimetry audit', *Proceedings of IFMBE Beijing 2012*.

Presentations and seminars

- Bokor, I Ivanov, Z and Marks, P (2012) 'A Comparison by use of a Certified ¹³⁷Cs Source of the Accuracy of Clinical Dose Calibrators in Victorian Nuclear Medicine Practices' *ANZSNM Annual Scientific Meeting*, May 2012, Melbourne.
- Brown, J M C McKean, N Solomon, S Tinker, R A Fairchild, R W Wright T & Tjong, L (2011) 'A Semi-Automated Nuclear Track Etch Counting System for CR-39 Dosimeters' *AARST International Radon Symposium*, Orlando Florida, October 2011.
- Dawson, P Orr, B Gailis, R Meehan, A Wain, A Llaya, O Hick, R Skvortsov, A Tinker, R & Grzechnik, M, (2012) 'Evaluation of Hazardous Atmospheric Plume Modelling Software' *Defence Science and Technology Organisation, Department of Defence, DSTO-TR-2679*, March 2012.
- Dunn, L et al (2011) 'Initial experience with Optically Stimulated Luminescence Dosimeters (OSLD)' *William Buckland Radiotherapy Centre*, Melbourne, 21 October 2011.

- Hayton, A Wallace, A Marks, P Baldas, J & Johnston, P (2012) 'Australian per capita dose from diagnostic imaging and nuclear medicine' *AINSE RADIATION Conference 2012: Radioprotection: Past, Present and Future*, 15 -17 February 2012, Lucas Heights.
- Johnston, P N (2011) 'Japan Nuclear Accident: Australia's Response', *Seminar at the Radiation Protection Institute of Ireland*, Dublin, 29 August 2011.
- Johnston, P N (2011) 'Japan Nuclear Accident: Australia's Response', *Seminar at the Australian Synchrotron*, Melbourne, 29 September 2011.
- Johnston, P N (2011) 'The accident at the Fukushima Dai-ichi Power Plant: ARPANSA's response and consequences' *ANZSNM Conference*, Melbourne, 22 October 2011.
- Johnston, P N (2012) 'Fukushima – one year on: Health, environment, nuclear safety and nuclear security', *Seminar at Institute of Reference Materials and Measurements*, Mol, Belgium, 19 March 2012.
- Johnston, P N (2012) 'Findings of the 2011 Maralinga Dose Reconstruction', *Presentation to the Oak Valley Community of Maralinga Tjarutja*, 7 June 2012.
- Johnston, P N (2012) 'Fukushima one year on - Health, environment, nuclear safety and nuclear security' *NEA's Committee on Radiation Protection and Public Health (CRPPH)*, April 2012.
- Kenny, J et al, (2011) The Australian Clinical Dosimetry Service, (ACDS), Royal Brisbane Hospital, QLD *ACPSEM Branch Symposium*, 2 August 2011.
- Kenny, J et al (2011) 'Progress to Date and Current Developments', *SA/NT ACPSEM branch meeting*, Royal Adelaide Hospital, 28 October 2011.
- Larsson, C-M, Solomon, S & Castle, L (2012) 'Fukushima one year on - What happened and why, implications for the international and regional nuclear safety and security regime' *ARPANSA Seminar Series, Australian Federal Police HQ Conference Centre*, Canberra, March 2012.
- Larsson C-M (2011) 'Lessons Learned from the nuclear leak in Japan' *Seminar - Emergency Response & Management Australasia*, September 2011.
- Lehmann, J et al (2012) 'Radiation Therapists and Level III Audits by the Australian Clinical Dosimetry Service' *ASMMAIR*, Sydney, 18 April 2012.
- Lehmann, J et al (2012) 'Designing Level III Audits for Generic Auditing: The Australian Experience', *World Congress of Medical Physics*, Beijing, China, 29 May 2012.
- Lehmann, J et al (2012) 'Designing Level III Audits for Generic Auditing: The Australian Experience', *Beijing National Cancer Centre*, Beijing, China, 4 June 2012.
- Lehmann, J et al (2012) The Australian Clinical Dosimetry Service, (ACDS) *San Francisco and Bay Area Chapter of the AAPM*, 14 June 2012.
- Orr, B (2011) 'ARGOS in Australia and RIMPUFF theory' *DSO ARGOS training course*, Singapore, August 2011.
- Orr, B (2012) 'Development Report – Australia' *ARGOS user group meeting*, Oslo Norway (via video-conference), April 2012.
- Orr, B Moseley, A Tinker, R Jespen, D & de Kool, M (2011) 'Australian Assessment of NPE10 Exercise' *NDC Evaluation Workshop*, Bucharest Romania, October 2011.
- Orr, B (2011) 'Status Report – Australia' *ARGOS consortium meeting*, Copenhagen Denmark, September 2011.
- Wallace, A Hayton, A Marks, P Edmonds, K Tingey, D & Johnston, P (2012) 'Australian adult diagnostic reference levels for multidetector CT' (poster), *Dose Datamed 2*, Athens.
- Williams, I M et al (2011) 'The Australian Clinical Dosimetry Service (ACDS)' Royal Brisbane Hospital, QLD *ACPSEM Branch Symposium*, 2 August 2011.
- Williams, I M et al (2011) The Australian Clinical Dosimetry Service, (ACDS), *EPSM-ABEC annual meeting*, Darwin, 7 August 2011.
- Williams, I M et al (2011) 'Verification of Practice: Maximum safety and minimum risk for patient, Beyond Bricks and Mortar', *DoHA Workshop*, Melbourne, 11 August 2011.
- Williams, I M et al (2011) 'The Australian Clinical Dosimetry Service (ACDS)' St Luke's Hospital, Dublin, Ireland, 30 August 2011.

- Williams, I M et al (2011) 'The Australian Clinical Dosimetry Service (ACDS)' National Physical Laboratories, London, United Kingdom, 8 September 2011.
- Williams, I M et al (2011) 'Do you believe the dosimetry in your planning computer?' *RANZCR Annual Scientific Meeting*, Melbourne, 8 October 2011.
- Williams, I M et al (2012) 'The Australian Clinical Dosimetry Service (ACDS)' *AINSE*, ANSTO Lucas Heights, 15 February 2012.
- Williams, I M et al (2012) 'The Australian Clinical Dosimetry Service (ACDS)' *World Congress of Medical Physics, Beijing, China*, 27 May 2012.
- Williams, IM et al (2012) 'The Australian Clinical Dosimetry Service (ACDS)' *Beijing National Cancer Centre*, Beijing, China, 4 June 2012.
- Williams, I M et al (2012) 'The Australian Clinical Dosimetry Service (ACDS)' *The Chinese National Metrology Institute*, 5 June 2012.
- Burns, D T Lye, J E Roger, P & Butler, D J (2012) 'Key comparison BIPM.RI(l)-K3 of the air-kerma standards of the ARPANSA, Australia and the BIPM in medium-energy x-rays', 2012 *Metrologia* 49 06007.
- Burns, D T Allisy, P J Butler, D Lye, J & Webb, D (2012) 'Comparison of the standards for absorbed dose to water of the ARPANSA and the BIPM for ^{60}Co γ radiation', 2012 *Metrologia* 49 06009.
- Dunn, L Kron, T Johnston, P N McDermott, L N Taylor L Callahan J & Franich, R D 'A programmable motion phantom for quality assurance of motion management in radiotherapy' *Australas Phys Eng Sci Med* 35:93-100 (2012).
- Gies, P & McLennan, A (2012) 'Ready to wear Sun Protection: Clothing fits the bill' *US Skin Cancer Foundation Journal* Vol. XXX: 70-72.
- Kessler, C Burns, D T, Allisy, P J, Butler, D Lye J & Webb, D (2012) 'Comparison of the standards for absorbed dose to water of the ARPANSA and the BIPM for ^{60}Co γ radiation', 2012 *Metrologia* 49 06009.

Journal Articles

- Brady, Z Cain, T M & Johnston, P N (2011) 'Differences in using the International Commission on Radiological Protection's Publications 60 and 103 for determining effective dose in paediatric CT examinations' *Radiation Measurements* 46(12):2031-2034 (2011).
- Brady, Z Cain, T M & Johnston, P N 'Paediatric CT imaging trends in Australia' *Journal of Medical Imaging and Radiation Oncology* 55:132-142 (2011).
- Brady, Z Cain, T M & Johnston, P N (2012) 'Comparison of organ dosimetry methods and effective dose calculation methods for paediatric CT' *Australas Phys Eng Sci Med* 35:117-134 (2012).
- Brown, J Solomon, S & Tinker, R (2011) 'Development of an energy discriminate CR-39[®] nuclear track etch dosimeter for Radon-220 gas measurements' *Journal of Environmental Radioactivity*, Volume 102, issue 10, October 2011.
- Klekociuk, A R Tully, M B Alexander, S P Dargaville, R J Deschamps, L L Fraser, P J Gies, H P Henderson, S I Javorniczky, J Krummel, P B Petelina, S V, Shanklin, J D Siddaway, J M Stone, K A (2011) 'The Antarctic ozone hole during 2010'. *Australian Meteorological and Oceanographic Journal* 61: 253-267.
- Martin, L & Karipidis K, (2012) Report on EMF activities in Australia during 2010-11, World Health Organization, *International EMF Project*.
- Oliver, C P Butler, D J & Webb, D V (2012) 'The Australian radiation protection and nuclear safety agency megavoltage photon thermoluminescence dosimetry postal audit service 2007-2010' *Australasian Physical & Engineering Sciences in Medicine*, March 2012, Volume 35, Issue 1, pp 105-108.
- Wallace, A B (2012) 'Radiation dose dependence on MDCT platform and acquisition protocols for CT coronary angiography' *Journal of Medical Imaging and Radiation Oncology*, 56, 1-3.