

Radiation ACT – Radiation Council – Notification of Particulars of Decisions 2002 (No 10)

Notifiable instrument NI2002-349

made under the

Radiation Act 1983, s 73 (1) – Notification of decisions

I notify the following particulars of decisions of the Radiation Council as stated in the schedule.

Code of Practice under s25B(1) of the Administrative Appeals Tribunal Act 1989

Review by the ACT Administrative Appeals Tribunal – Any persons whose interests are adversely affected by these decisions may apply to the Tribunal to have the decision reviewed.

Reasons – If you wish to obtain a statement of reasons to explain why the decision was made you should write within 28 days of this notice to the

ACT Radiation Council, GPO Box 825, Canberra ACT 2601

Location of the ACT Administrative Appeals Tribunal – The Tribunal is located on the 4th Floor, Canberra House, 40 Marcus Clarke Street, Canberra City.

Postal Address : GPO Box 9955, Canberra 2601. Telephone : 6243 4611. Facsimile : 6247 0962. Document Exchange : DX 5727

Powers of the ACT Administrative Appeals Tribunal – The Tribunal is an independent body. The Tribunal can agree with, change or reject to the original decision, substitute its own decision or send the matter back to the decision maker for reconsideration in accordance with Tribunal recommendations.

How to apply to the ACT Administrative Appeals Tribunal – Simply write within 28 days explaining the details to the decision and the reasons for asking for a review.

Cost – To lodge an application there is a fee. You may apply to have the fee waived on the grounds of hardship. No fee is payable if you are receiving legal assistance.

Access to documents – You may apply for access to any documents relevant to this decision under the ACT *Freedom of Information Act 1989*. For more information contact the Freedom of Information Officer, Department of Health and Community Care, on phone 620 51340.

J Lising
Chairperson
Radiation Council
06 November 2002

SCHEDULE

REGISTRATION of an IRRADIATING APPARATUS (s 73(1)(e))

Owner	Christopher Punch	
Description	Gendex 765DC dental x-ray machine S/No 15-1521432DP with GX70-10DC tube	S/Nos
	4013,10-1526057-DP. 65kVp, 7mA	
Location	Suite 1A, Forrest Chambers 11 Fitzroy Street, Forrest	
Conditions	Diagnostic dental examinations.	
Owner	Dr Peter J Boyle	
Description	Dental x-ray machine, Sirona Heliodent DS S/Nos 18060, 19720 with Siemens	tube
	model SR/60/70/7L, S/Nos 25355, 305381 60kVp, 7mA	
Location	Room 1 Suite E Belconnen Commercial Chambers Cnr Lathlain & Cohen Streets, Belconnen	
Conditions	Diagnostic dental examinations.	
Owner	Dr Peter J Boyle	
Description	Dental x-ray machine, Sirona Heliodent DS S/No 17438 with Siemens tube	model
	SR/60/70/7L, S/Nos 22201, 3017457 60kVp, 7mA	
Location	Room 2, Suite E Belconnen Commercial Chambers, Cnr Lathlain & Cohen Streets, Belconnen	
Conditions	Diagnostic dental radiography.	
Owner	Dr M R C Banyard	
Description	Shimadzu model MC125L-30 mobile CD veterinary x-ray machine with Circlex 1.2UG13CN tube S/Nos 262319304m 9426 110kVp	
Location	56 Colbee Court, Phillip	
Conditions	Veterinary radiography.	
Owner	Dr Geoffrey Speldewinde	
Description	Diagnostic mobile fluoroscopy II x-ray machine, Phillips BV25 S/Nos CP374, 1479530 105kVp, 3mA	
Location	Screening Room Mobile fluoroscopy II 15 Napier Close, Deakin	
Conditions	Diagnostic radiography.	
Owner	Dr Anita Shroot	
Description	Trophy Elitys dental x-ray machine with type TRX708 tube, S/Nos XBQF231, 219247	
	60/70kVp, 4/7mA	
Location	Room 3 Dental Surgeries Dickson Park Professional Centre Antil Street, Dickson	
Conditions	Diagnostic dental examinations.	

**APPROVAL for an ALTERATION or MODIFICATION of a REGISTERED
IRRADIATING APPARATUS (s 73(1)(f))**

Reason Change of owner.

Owner Bradley William Horwood
Description Dental X-ray unit Belmont Accuray 071A model D-008 S/No's K09075, 32127
70 kVp, 10 mA
Location Room 2, Suite 1, 3rd Floor
Colonial Mutual Building
Darwin Place, Canberra City
Conditions Diagnostic dental examinations.

**APPROVAL for an ALTERATION in the LOCATION, INSTALLATION or SHIELDING of a REGISTERED
IRRADIATING APPARATUS (s 73(1)(g))**

Reason Relocation of x-ray machine.

Owner ACT Community Care, Dental Services
Description Philips Densomat dental x-ray machine with Oralix 65S tube S/Nos 8923222, 9000624. 65kVp,
7.5mA
Location Room 3
Child & Youth Dental Therapy
Belconnen Health Centre
Benjamin Way, Belconnen
Conditions Diagnostic dental examinations.

Reason Relocation of x-ray machine.
Owner ACT Community Care, Dental Services
Description Dental X-ray unit Trophy model CCX timer (DG073), S/No 3840 with model 708 tube,
S/No G4275. 70kVp, 8mA
Location Room 5
Belconnen Health Centre
Benjamin Way, Belconnen
Conditions Diagnostic dental examinations.

GRANTING OF A DISPOSAL PERMIT (paragraph 73(1)(g))

Permit Holder Wendy L Edwards
Licensed Premises Clinical Chemistry Department
Central Health Laboratory
Garra

Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Iodine-125	Water soluble	260 MBq	Sewer
Iodine-125	Contaminated solids	260 MBq	Incineration-Mitchell
Sulphur-35	Scintillation Fluid	185 MBq	Burial-Mugga Lane Tip

Permit Holder Licensed Premises	W J Peacock CSIRO Division of Plant Industry Black Mountain		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Carbon-14	Plant material	185 MBq	Burial-Mugga Lane Tip
Carbon-14	Water soluble	74 MBq	Sewer
Carbon-14	Scintillation fluid	185 MBq	Burial-Mugga Lane Tip
Sulphur-35	Plant material	1110 MBq	Burial-Mugga Lane Tip
Sulphur-35	Solid waste	555 MBq	Burial-Mugga Lane Tip
Sulphur-35	Water soluble	1.85 GBq	Sewer
Sulphur-35	Scintillation fluid	370 MBq	Burial-Mugga Lane Tip
Phosphorus-32	Plant material	185 MBq	Burial-Mugga Lane Tip
Phosphorus-32	Scintillation fluid	74 MBq	Burial-Mugga Lane Tip
Phosphorus-32	Water soluble	185 MBq	Sewer
Phosphorus-32	Solid waste	370 MBq	Burial-Mugga Lane Tip
Hydrogen-3	Water soluble	185 MBq	Sewer
Hydrogen-3	Scintillation fluid	185 MBq	Burial-Mugga Lane Tip
Hydrogen-3	Gas	18.50 GBq	Exhaust to atmosphere
Manganese-54	Liquid waste	7.40 MBq	Burial-Mugga Lane Tip

Permit Holder Licensed Premises	David Alan Willcocks Research School of Biological Sciences Biology Place Australian National University		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Carbon-14	Scintillation fluid	185 MBq	Burial-Mugga Lane Tip
Sulphur-35	Solid waste	50 MBq	Burial-Mugga Lane Tip
Sulphur-35	Water soluble	500 MBq	Sewer
Phosphorus-32	Water soluble	2000 MBq	Sewer
Phosphorus-32	Solid waste	200 MBq	Burial-Mugga Lane Tip
Phosphorus-33	Solid waste	50 MBq	Burial-Mugga Lane Tip
Phosphorus-33	Water soluble	100 MBq	Sewer
Iodine-125	Solid waste	20 MBq	Burial-Mugga Lane Tip
Hydrogen-3	Solid waste	20 MBq	Burial-Mugga Lane Tip
Hydrogen-3	Water soluble	200 MBq	Sewer
Hydrogen-3	Scintillation fluid	20 MBq	Burial-Mugga Lane Tip
Carbon-14	Solid waste	185 MBq	Burial-Mugga Lane Tip
Carbon-14	Water soluble	800 MBq	Sewer

Permit Holder Licensed Premises	Pamela Bleakley John Curtin School of Medical Research Australian National University		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Phosphorus-32	Contaminated waste	2 GBq	Burial-Mugga Lane Tip
Iodine-125	Liquid waste	925 MBq	Burial-Mugga Lane Tip
Iodine-125	Water soluble	925 MBq	Sewer
Iodine-131	Liquid waste	925 MBq	Burial-Mugga Lane Tip
Iodine-131	Water soluble	925 MBq	Sewer
Sulphur-35	Liquid waste	925 MBq	Burial-Mugga Lane Tip
Sulphur-35	Water soluble	925 MBq	Sewer
Carbon-14	Liquid waste	37 MBq	Burial-Mugga Lane Tip
Carbon-14	Water soluble	37 MBq	Sewer
Carbon-14	Scintillation fluid	300 MBq	Incineration-Mitchell
Phosphorus-33	Water soluble	1 GBq	Sewer
Phosphorus-33	Contaminated waste	100 MBq	Burial-Mugga Lane Tip
Chromium-51	Contaminated waste	7.4 GBq	Burial-Mugga Lane Tip
Chromium-51	Water soluble	14.8 GBq	Sewer
Hydrogen-3	Liquid waste	3.7 GBq	Burial-Mugga Lane Tip
Hydrogen-3	Water soluble	14.3 GBq	Sewer
Hydrogen-3	Scintillation fluid	37 GBq	Incineration-Mitchell
Phosphorus-32	Water soluble	2 GBq	Sewer

Permit Holder Licensed Premises	Dr Jim Cullen CSIRO Division of Entomology Clunies Ross Street, Acton		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Phosphorus-32	Liquid & solid waste in a range of chemical forms	500 MBq	Burial-Mugga Lane Tip
Carbon-14	Liquid & solid waste in a range of chemical forms	37 MBq	Burial-Mugga Lane Tip
Hydrogen-3	Liquid & solid waste in a range of chemical forms	37 MBq	Burial-Mugga Lane Tip
Sulphur-35	Liquid & solid waste in a range of chemical forms	37 MBq	Burial-Mugga Lane Tip
Iodine-125	Liquid & solid waste in a range of chemical forms	450 kBq	Burial-Mugga Lane Tip
Iodine-125	Water soluble	450 MBq	Sewer - JCSMR
Phosphorus-33	Water soluble	0.4 MBq	Sewer
Phosphorus-33	Solid & liquid	15 MBq	Burial-Mugga Lane Tip
Phosphorus-32	Water soluble	185 MBq	Sewer

Permit Holder Licensed Premises	Maria Poulis TGA Laboratories Pharmacology Laboratory Narrabundah Lane, Symonston		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Hydrogen-3 Iodine-125	Scintillation fluid Liquid waste	2 MBq 1 MBq	Incineration-Mitchell Burial-Mugga Lane Tip
Permit Holder Licensed Premises	Ginny Marisa Sargent Division of Botany & Zoology Daley Road Australian National University		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Hydrogen-3	Scintillation fluid	740 MBq	Incineration-Mitchell
Hydrogen-3	Solid waste	1.8 GBq	Burial-Mugga Lane Tip
Carbon-14	Scintillation fluid	9.6 GBq	Incineration-Mitchell
Carbon-14	Solid waste	7.4 GBq	Burial-Mugga Lane Tip
Phosphorus-32	Solid waste	450 MBq	Burial-Mugga Lane Tip
Sulphur-35	Solid waste	1.8 GBq	Burial-Mugga Lane Tip
Sulphur-35	Scintillation fluid	370 MBq	Burial-Mugga Lane Tip
Sodium-22	Solid waste	2 MBq	Burial-Mugga Lane Tip
Sodium-22	Liquid waste	7.4 MBq	Burial-Mugga Lane Tip
Phosphorus-33	Solid waste	200 MBq	Burial-Mugga Lane Tip
Permit Holder Licensed Premises	Dr. N. E. Dixon Research School of Chemistry Australian National University		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Hydrogen-3	Water soluble	185 MBq	Sewer
Hydrogen-3	Solid waste	185 MBq	Burial-Mugga Lane Tip
Carbon-14	Water soluble	37 MBq	Sewer
Carbon-14	Solid waste	37 MBq	Burial-Mugga Lane Tip
Phosphorus-32	Water soluble	74 MBq	Sewer
Phosphorus-32	Solid waste	74 MBq	Burial-Mugga Lane Tip
Sulphur-35	Water soluble	37 MBq	Sewer
Sulphur-35	Solid waste	37 MBq	Burial-Mugga Lane Tip
Technetium-99	Solid waste	2 MBq	Burial-Mugga Lane Tip
Zinc-65	Solid waste	3.7 MBq	Burial-Mugga Lane Tip
Zinc-65	Water soluble	37 MBq	Burial-Mugga Lane Tip

Permit Holder Licensed Premises	Dr Warren Bond CSIRO Land & Water Black Mountain Laboratories Clunies Ross Road		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Uranium-238	Solid waste	600 kBq	Burial-Mugga Lane Tip
Uranium-238+Daughters	Solid waste	40 kBq	Burial-Mugga Lane Tip
Thorium-232	Solid waste	200 kBq	Burial-Mugga Lane Tip
Thorium-232+Daughters	Solid waste	40 kBq	Burial-Mugga Lane Tip
Radium-226	Solid waste	25 kBq	Burial-Mugga Lane Tip
Lead-210	Solid waste	25 kBq	Burial-Mugga Lane Tip
Thorium-228	Solid waste	25 kBq	Burial-Mugga Lane Tip
For each of the above: No more than 250kBq of radioactive material per kilogram of non-radioactive waste.			
Caesium-137	Solid waste	25 kBq	Burial-Mugga Lane Tip
Manganese-54	Solid waste	25 kBq	Burial-Mugga Lane Tip
Phosphorus-32	Solid waste	20 MBq	Burial-Mugga Lane Tip
Uranium-238	Water soluble	600 kBq	Sewer
Thorium-232	Water soluble	200 kBq	Sewer
Radium-226	Water soluble	25 kBq	Sewer
Lead-210	Water soluble	25 kBq	Sewer
Thorium-228	Water soluble	25 kBq	Sewer
Caesium-137	Water soluble	25 kBq	Sewer
Manganese-54	Water soluble	25 kBq	Sewer
Phosphorus-32	Water soluble	200 kBq	Sewer
Phosphorus-32	Scintillation fluid	200 kBq	Burial-Mugga Lane Tip
Hydrogen-3	Solid waste	20 MBq	Burial-Mugga Lane Tip
Sulphur-35	Solid waste	100 MBq	Burial-Mugga Lane Tip
Carbon-14	Solid waste	20 MBq	Burial-Mugga Lane Tip

Permit Holder Licensed Premises	Dr A M Baxter Physics Department Faculty of Science Australian National University		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Cobalt-60	Solid waste	1 MBq	Burial-Mugga Lane Tip
Iron-55	Solid waste	10 MBq	Burial-Mugga Lane Tip
Caesium-137	Solid waste	300 kBq	Burial-Mugga Lane Tip
Barium-133	Solid waste	2 MBq	Burial-Mugga Lane Tip
Bismuth-207	Solid waste	1 kBq	Burial-Mugga Lane Tip
Europium-152	Solid waste	100 kBq	Burial-Mugga Lane Tip

Permit Holder Licensed Premises	Dr Jennelle Kyd Faculty of Applied Science University of Canberra Belconnen		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Hydrogen-3	Solid waste	18.5 GBq	Burial-Mugga Lane Tip
Hydrogen-3	Scintillation fluid	37 GBq	Incineration-Mitchell
Phosphorus-32	Solid waste	550 MBq	Burial-Mugga Lane Tip
Phosphorus-32	Scintillation fluid	40 MBq	Burial-Mugga Lane Tip
Carbon-14	Solid waste	250 MBq	Burial-Mugga Lane Tip
Carbon-14	Scintillation fluid	50 MBq	Incineration-Mitchell
Iodine-131	Solid waste	500 MBq	Burial-Mugga Lane Tip
Iodine-125	Solid waste	500 MBq	Burial-Mugga Lane Tip

Permit Holder Licensed Premises	Professor Kieran Kirk ANU Faculty of Science, Division of Biochemistry & Molecular Biology Australian National University		
Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Iodine-125	Solid waste	55 MBq	Burial-Mugga Lane Tip
Iodine-125	Water soluble	130 MBq	Sewer
Carbon-14	Solid waste	200 MBq	Burial-Mugga Lane Tip
Carbon-14	Water soluble	900 MBq	Sewer
Hydrogen-3	Solid waste	150 MBq	Burial-Mugga Lane Tip
Hydrogen-3	Water soluble	600 MBq	Sewer
Calcium-45	Solid waste	7 MBq	Burial-Mugga Lane Tip
Calcium-45	Water soluble	27 MBq	Sewer
Rubidium-86	Solid waste	55 MBq	Burial-Mugga Lane Tip
Rubidium-86	Water soluble	130 MBq	Sewer
Chromium-51	Solid waste	100 MBq	Burial-Mugga Lane Tip
Chromium-51	Water soluble	370 MBq	Sewer
Phosphorus-32	Solid waste	55 MBq	Burial-Mugga Lane Tip
Phosphorus-32	Water soluble	130 MBq	Sewer
Sulphur-35	Solid waste	90 MBq	Burial-Mugga Lane Tip
Sulphur-35	Water soluble	130 MBq	Sewer
Sodium-22	Solid waste	10 MBq	Burial-Mugga Lane Tip
Sodium-22	Water soluble	17 MBq	Sewer

Permit Holder Dr Graham E Mortimer

Licensed Premises Research School of Earth Sciences
Australian National University

Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Sodium-22 & Cobalt-60	Contaminated solids - laboratory waste.	300 kBq	Burial-Mugga Lane Tip
		Total activity for both per month	
Thorium-229	Solid lab. waste	200 Bq	Burial-Mugga Lane Tip
Thorium-229	Water soluble	100 Bq	Sewer
Uranium-233	Solid lab. waste (Restricted to 250 Bq/kg of waste)	10 kBq	Burial-Mugga Lane Tip
Uranium-233	Water soluble	10 kBq	Sewer
Uranium-236	Solid lab. waste	300 Bq	Burial-Mugga Lane Tip
Uranium-236	Water soluble	400 Bq	Sewer

Permit Holder
Licensed Premises

Michelle McNiven
Molecular Pathology
Level 4, Building 10
The Canberra Hospital

Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Sulphur-35	Water soluble	170 MBq	Burial-Mugga Lane Tip
Sulphur-35	Contaminated solids - laboratory waste	170 MBq	Burial-Mugga Lane Tip
Phosphorus-33	Water soluble	150 MBq	Burial-Mugga Lane Tip
Phosphorus-33	Contaminated solids - laboratory waste	150 MBq	Burial-Mugga Lane Tip
Phosphorus-32	Water soluble	150 MBq	Burial-Mugga Lane Tip
Phosphorus-32	Contaminated solids - laboratory waste	150 MBq	Burial-Mugga Lane Tip

Permit Holder
Licensed Premises

Dr L K Fifield
Department of Nuclear Physics,
Research School of Physical Sciences & Engineering
Australian National University

Radionuclide contained in the material for disposal	Physical and chemical form of the material	Annual quantity of material for which approval is granted	Disposal method approved
Cobalt-60	Solid waste	200 kBq	Burial-Mugga Lane Tip
Caesium-137	Solid waste	130 kBq	Burial-Mugga Lane Tip
Sodium-22	Solid waste	20 kBq	Burial-Mugga Lane Tip
Barium-133	Solid waste	6 kBq	Burial-Mugga Lane Tip
Europium-152	Solid waste	130 kBq	Burial-Mugga Lane Tip
Osmium-194	Solid waste	10 kBq	Burial-Mugga Lane Tip