

Curriculum Vitae

Personal Details

Full Name: Robert Allan Sutherland
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Current Position : Occupational Hygienist
Current Employer : Control One

Academic Record

Post Graduate :	Graduate Certificate of Occupational Health and Safety Management RMIT	2000-01
	Doctor of Philosophy Exposure to Fumes and Gases during Welding Operations Deakin University	1993-97
	Graduate Diploma of Occupational Hygiene Deakin University	1990-91
General Nursing :	Registered General Nursing Diploma The Geelong Hospital	1980-83
Tertiary :	Bachelor of Applied Science Gordon Institute of Technology	1972-75
Secondary :	Geelong Technical School	1967-71
Primary :	Oberon State School	1960-66

Qualifications

Doctor of Philosophy
Graduate Diploma of Occupational Hygiene
Graduate Certificate of Occupational Health and Safety Management
Bachelor of Applied Science (Chemistry)

Membership of Professional Groups

Australian Institute of Occupational Hygienists (AIOH)

Associate Member	1991-92
Provisional member	1992-97
Full member	1997-
Certified Occupational Hygienist	2004-

AIOH Newsletter Committee

Production Editor	1993-97
Member	1997-2000 2005-

AIOH 1997 Conference Committee

Safety Institute of Australia

Chartered Professional Member	2006-
Registered Safety Professional	2006-

Geelong Occupational Safety and Health Inc (SIA Geelong Branch)

Member	2004-
President	2007-2008

American Conference of Governmental Industrial Hygienists (ACGIH)

Associate Member	2002-
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Welding Technology Institute of Australia (WTIA) Panel 9 Working Group Victorian Branch

Member – Assessment of Welding Fumes Discussion Panel	
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Membership of clubs/societies

Deakin University Cricket Club

Foundation Member	
Secretary, Captain, Coach	1989-90
Secretary, Captain	1990-92
President	1992-96
	2000-2003
Treasurer	1996-97
Committee Member	1989-2000

Deakin University Sports Association

Member – Executive Committee	1995-96
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Geelong Southern District Cricket Association

Delegate	1989-93
Treasurer	1990-93

Cancer Council of Victoria Relay for Life

Committee Member Geelong	2001-2002
	2005-

Royal Geelong Yacht Club

Member	2004-
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Work Experience

1. Control One
5 Albert Terrace
Belmont 3216

Position : Director, Occupational Hygienist

Duties : Academic course supervision, revision and marking – (Deakin University Graduate Diploma of Occupational Hygiene)

Asbestos Clearances – (City of Greater Geelong, Geelong Asbestos Removals, KAAL)

Asbestos monitoring – (Graincorp Operations Limited)

Asbestos Part 5 Audits - (Apex Committee of Management, Barwon Heads Golf Club, Barwon Water, CSL Biotherapies, Deakin University - Toorak, Geelong, Waurin Ponds, Burwood, Warrnambool, Glenburn Private Nursing Home, Graincorp Geelong, Graincorp Portland, Graincorp Sunshine, Graincorp Swan Hill, Graincorp Victoria and Southern NSW, Huyck Australia, Queenscliff Retirement Lodge, Smorgon Recycling, Smorgon Steel, Smorgon Steel Jindera, Sorrento Primary School, Surfcoast Shire, Venture Industries (Aust) Pty Ltd)

Asbestos Part 6 Audits - (Graincorp Boort, Charlton, Warracknabeal, Portland, Geelong, Hillside Hardware)

Asbestos Safe Work procedures & training – (City of Greater Geelong)

Chemical Management ChemaAlert database management and risk assessments – (Barwon Water, CSL Biotherapies, OneSteel Laverton Steel Mill, Smorgon Steel)

Confined Space Audit, Assessment and Training - (Australian Automotive Air Pty Ltd, CSIRO AAHL, The Avenue Hospital, Venture Industries (Aust) Pty Ltd)

Contractor Induction program – (CSIRO AAHL)

Contaminated Soil Assessment – (CSL Biotherapies, City of Greater Geelong)

Caldestine Drug Laboratories – (Assessment & Training (Australian Federal Police))

Dangerous Goods Assessment - 2000 Regulations - (Australian Tube Mills, Barwon Water, Bekaert Australia Steel Cord, CSL Biotherapies, Fleetguard Australia, OneSteel Laverton Steel Mill, One Steel Sunshine & Somerton, Venture Industries)

Dust Monitoring - (ARC Fencing, Australian Automotive Air, Australian Tube Mills, Deakin University, Heinemann Electric, OneSteel Laverton Steel Mill, OneSteel Somerton, Smorgon Recycling, Smorgon Steel, Tyco Water)

Emergency Management – (CSIRO AAHL)

Environmental Dust Deposition – (OneSteel Somerton, Smorgon Steel Reinforcing, Smorgon Recycling)

Environmental Noise Assessment - (AAA Above Plumbing Services, Australian Tube Mills, City of Greater Geelong, John Scorgie, Marcus Hill Dog Kennels, One Steel Sunshine, Poligot)

Fumehood Assessments – (Dynaflow Pty Ltd)

Hazardous Substances Assessment - (Barwon Water, Bekaert Australia Steel Cord Pty Ltd, CSL Biotherapies, Murray Goulburn Co-operative Co.Ltd (Koroit), OneSteel Laverton Steel Mill, OneSteel Somerton & Sunshine, OneSteel Wire Mill Geelong)

Heights procedures – Permit System, Clearance Certificate (Australian Automotive Air, CSIRO AAHL)

Heat Stress Assessment – (Australian Automotive Air Pty Ltd, Australian Municipal, Administrative, Clerical and Services Union, OneSteel Laverton Steel Mill, Smorgon Steel, Smorgon Steel Jindera)

Indoor Air Quality Assessment - (CSL Biotherapies, Deakin University, Happy Hens Egg Farm, International Fibre Centre, Hewlett Packard Australia Limited, OneSteel Laverton Steel Mill, Sydney IVF)

Ionising Radiation (Dynaflow Pty Ltd, Shell Refinery (Geelong))

Isocyanate Assessment - (Venture Industries (Aust) Pty Ltd)

Laboratory Management – OHSE Co-ordinator (CSIRO AAHL)

Laboratory Safety Audits – (CSIRO AAHL)

Lead Audit - (Alcoa World Alumina Portland)

Lead Process Assessment - (Australian Automotive Air Pty Ltd)

Lighting – (OneSteel Laverton Steel Mill, Smorgon Steel, Smorgon Steel Jindera, Sydney IVF)

Lockout Tagout – (CSIRO AAHL, Australian Automotive Air)

Manual Handling Audit - (Murray Goulburn Co-operative Co.Ltd (Koroit))

Material Safety Data Sheet preparation – (OneSteel Geelong Wire Mill, OneSteel Laverton Steel Mill, Sanitare)

Noise Surveys and Dosimetry - (Allied Mills Ballarat, ARC Fencing, ARX The Australian Reinforcing Company, Australian Automotive Air Pty Ltd, Australasian Lubricants Manufacturing Company, Australian Tallow Producers Pty Ltd, Bates Pipes, City of Greater Geelong, CSIRO AAHL, CSL Biotherapies, Deakin University, Graincorp Sunshine, Graincorp Portland, Grampians Wool Industries, Heinemann Electric, Murray Goulburn Co-operative, OneSteel Laverton Steel Mill, OneSteel Sunshine, Securrency Pty Ltd, Smorgon Recycling, Smorgon Steel, Surfcoast Shire, Tyco Water, Venture Industries)

Non-ionising radiation assessment - (Magnetic fields – Graincorp Geelong, Port Kembla Coal Terminal Limited) (Microwave radiation – Smorgon Steel)

Oil Mist Assessment – (Capital Cutting Tools)

OHSE Management – (CSIRO AAHL)

OH&S Program Development - (Deakin University Printeries, Laser Electrical)

Permit System development and training - (Australian Automotive Air, CSIRO AAHL)

Plant Safety Audit - (Murray Goulburn Co-operative Co.Ltd (Koroit), CSIRO AAHL)

Plasma and Oxy Acetylene cutting assessment – (Smorgon Steel Materials Division, Bluescope Distribution Pty Ltd)

Non-Ionising Radiation assessment - (Envirohealth – GMH Port Melbourne, Surfcoast Shire, TMP Worldwide)

Oil Mist - (Australasian Lubricants Manufacturing Company)

Risk Assessments - (Australian Municipal, Administrative, Clerical and Services Union (Heat Stress), Australian Wool Innovation Limited (Diazinon and Sheep Dipping), Barwon Water, CSL Bioplasma, CSL Biotherapies, CSIRO AAHL, Murdoch Children's Research Institute – Asphyxiating Gases, Deakin University/Fibreglass and Rockwool Insulation Manufacturers Association, Visy Paper and Pulp)

Safety Audits - (CSIRO AAHL, Deakin University Printeries Geelong, Burwood, Warrnambool)

Soldering and Brazing Assessment - (United Group)

Solvent Monitoring - (Australian Automotive Air, Securrency Pty Ltd (Somerton), Venture Industries (Aust) Pty Ltd)

Spray Painting Assessment - (Smorgon Steel Jindera, Venture Industries)

Staff induction programs – (Deakin University Printeries – Geelong, Burwood, Warrnambool)

Synthetic Mineral Fibre Monitoring - (One Steel Somerton)

Training (Australian Automotive Air – Confined Space Entry, Permit System, Lockout Tagout, City of Greater Geelong – Asbestos Awareness, Desert Fringe Regional Waste Management – Asbestos Awareness, Graincorp Operations Limited - Asbestos Awareness, Grampians Regional Waste Management – Asbestos Awareness, Huyck Australia – Asbestos Awareness, Noise, OneSteel Somerton – Chemical Safety, Hearing Conservation, Venture Industries – Dangerous Goods/Hazardous Substances, VIOSH Australia – Certificate IV in OHS)

Visitor Induction program – (CSIRO AAHL)

Welding assessment - (ARC Fencing, Australian Automotive Air, Bluescope Distribution, Smorgon Steel Materials Division, Smorgon Steel Recycling)

Period of Employment : 1/5/01 -

2. Environmental Health Services
PO Box 924
Geelong 3220

Position : Occupational Hygienist, Occupational Health and Safety Assessor

Duties : Preparation of Management Plans – OH&S, dust, noise, heat stress, solar protection (Acacia Resources Pty Ltd)

Hazard Identification and Risk Management - site wide projects – (Pilkington Australia Dandenong and Geelong, Victorian University of Technology, BHP Structural and Pipeline Products Somerton)

Risk Assessment – (Weatherly & Bartam, Steggles, Holding Redlich, Purves Clark Richards, Pacifica, Godfrey Hirst)

Training – Asbestos (Bendix Mintex), Chemical Safety – hazardous substances/dangerous goods (Cheetham Salt, Godfrey Hirst, Riverside Textiles), Dust monitoring (Blue Circle Southern Cement Pty Ltd, McArthur River Mining Pty Ltd), Noise (Midway),

Asbestos Monitoring - NATA Accredited Counter, WorkCover Victoria Accreditation (Alcoa Australia, KAAL, Mooropna Primary School, Shell Australia Pty Ltd, Carter Holt Harvey, Murray Goulburn Co-operative Co.Ltd (Koroit))

Asbestos Part 5 Audits: (Burns Bridge Pty Ltd, Marcus Oldham College, Murray Goulburn Co-operative Co.Ltd (Koroit), Noel McConnell Architects, Ronald Investments, Shorko Australia, St.Raphael's Primary School, Underground Nightclub, West Footscray Engineering Pty Ltd, Winchelsea Hospital)

Asbestos Part 6 Audits: (AW Nicholson, Balcombe Griffith, Mandrake Constructions, Mt.Alexander Hospital, Murray Goulburn Co-operative Co.Ltd (Koroit), Prime Building, Pyranees Shire, Southern Dental Industries, Theiss)

Audiometry - WorkCover accredited (Boeing, Transfield Obayashi, Geelong Wool Combing, Timbertruss)

Biological Monitoring (Greg Sewell Forging – lead, OneSteel Somerton –chromium)

Cold Stress (One Steel Pty Ltd formerly BHP Structural and Pipeline Products)

Confined Space Entry Assessments (Beaufort Shipping, Incitec, Pivot Fertilisers, TOLL Port of Geelong Authority)

Cooling Tower Assessment and Water Quality Testing (Skilled Engineering, One Steel Pty Ltd, Pilkington Australia)

Compressed Air Assessment (Torquay Auto)

Dangerous Goods Assessments (Arrow Bronze, Berri Ltd, Clyde Engineering, Marcus Oldham College, Nelson Brothers, Smorgon Wire, Victorian University of Technology, Warrnambool Cheese and Butter Factory Pty Ltd)

Dust Monitoring (Acacia Resources, Australian Automotive Air, Brocks Creek/Union Reefs, BHP Structural and Pipeline Products, BHP Wire, Blue Circle Southern Cement Pty Ltd, BTR, Clariant Australia, Calleja Transport, Grampians Wool Industries, McArthur River Mining Pty Ltd, Newtronics, Northern Cement Limited, Rice Growers Co-operative Limited, Smorgon Steel, St.John of God Hospital Ballarat, Transfield, Transfield Obayashi, Woodbridge Henderson, One Steel Somerton, Barwon Prison, Fairfax Age Print Centre, Graincorp Geelong)

Environmental Dust Monitoring (Midway Pty Ltd)

Environmental Noise Assessment SEPP N1 & N3 Industrial (Clariant Australia Pty Ltd, Goodman Fielder, Midway, Pilkington Australia, Timbertruss Victoria Pty Ltd)

Environmental Noise Assessment SEPP N2 Entertainment (Legends Nightclub, Geelong Assembly of God)

EPA Prescribed Waste Regulations (Cheetham Salt, Clariant Australia)

EPA Scheduled Premises and Exemptions (Pilkington Australia)

EPA Waste Assessment (Boral Resources, Clariant Australia)

First Aid Equipment Review (Godfrey Hurst, One Steel Pty Ltd, Smorgon Steel)

Fumehood Assessments (St.John of God Hospital Ballarat, BP Australia)

Gas Monitoring (Incitec, Pivot Fertilisers, National Forge, Pentex, Pilkington Australia, Smorgon Steel, Tobin Brothers, Woodbridge Henderson)

Glutaraldehyde assessment (St.John of God Hospital Ballarat, Tobin Brothers)

Hazardous Substances Assessment (Cheetham Salt Ltd, Nissan Casting, Smorgon Steel)

Hearing Conservation Noise Control (Acacia Resources, Beaumonts Pies, Clariant Australia, GMH)

Heat Stress Assessment (Acacia Resources, Montell Australia, One Steel Pty Ltd, Winslow Constructions)

Health Surveillance (One Steel Pty Ltd, Olin Australia)

Indoor Air Quality Assessment (Cheetham Salt Ltd, Coliban Water, CSIRO, Defence Housing Authority, National Safety Council of Australia, St.Vincent's Hospital, Don Newsagency)

Laboratory assessment (BP Australia, Victoria University of Technology)

Lead exposure (Greg Sewell Forging, International Trucks, risk assessment, dust & biological monitoring)

MSDS Preparation (Olin Australia, Smorgon Steel)

Noise Surveys (Acacia Resources – Brocks Creek/Union Reefs, A.W.Nicholson, BHP Coated Steel, Blue Circle Southern Cement Pty Ltd, CSR Humes, Godfrey Hirst, Greg Williams Printery, Goodman Fielder, G&L Joinery, K&S Transport, Midway Pty Ltd, Northern Cement Limited, One Steel Pty Ltd, Pilkington Australia, Pivot Fertilisers, RMAX, Rice Growers Co-operative Limited, RSPCA, Smorgan Wire, Steggles Australia, Surfink, Victorian Regional Stevedores, Woodbridge Henderson)

Noise Control Plans (BHP Structural and Pipeline Products, BHP Coated Steel)

Lighting (Neotronics, One Steel Pty Ltd)

Plastic fume assessment (Clariant Australia, Industrial Pipes Pty Ltd, Smorgon Steel)

Solvent monitoring (Ciba Australia, Ensign Services Australia Pty Ltd, Transfield Obayashi, Venture Industries, Woodbridge Henderson)

Spray Painting Assessment (International Trucks, Venture Industries)

Vehicle Exhaust Emission Assessment (ABI Group, Midway Pty Ltd, Smorgon Steel, Woodbridge Henderson)

Ventilation Assessment (Smorgon Steel, St.John of God Hospital Ballarat)

Water Quality (Stork ICM)

Welding (Tenix Defense Systems)

Period of Employment : 7/98 – 30/4/01, Full time employee
30/4/01- 30/4/03 Sub-contractor

3. Occupational Hygiene Unit
Department of Biological and Chemical Sciences
Deakin University 3217

Position : Lecturer Level B Grade 6

Duties : Preparation of notes for the units Health and Safety Management, and Current Issues of the Master of Occupational and Environmental Hygiene Management. Marking of reports and assignments of Masters and Graduate Diploma units. Delivery of lectures for undergraduate units; toxicology, and chemical hazards. Design, preparation and production of teaching materials, assignments and examinations for undergraduate and post graduate courses. Construction of web sites containing course details, assignments, notes, links to references and other sites. Delivery of short courses to industrial groups eg Commercial Minerals dust training program.

Period of Employment : 1/97-7/98

4. Private Occupational Hygiene Consultancy

Duties : Welding assessment, monitoring for total fume, gases and ultraviolet exposure, evaluation of control equipment. Noise surveys. Analysis for crystalline silica. Preparation of reports.

Period of Employment : 1/95-7/98

5. Kilpatrick and Associates
Occupational Hygiene and Ergonomics Consultants
239 Bay St , Brighton 3186

Position: Consultant Occupational Hygienist

Duties: Site monitoring, asbestos counting, welding assessment, hazardous substance survey including review of MSDS's, labeling and exposure assessment under the National Model Regulations to Control Workplace Hazardous Substances.

Period of Employment : 1/95 – 6/95

6. Australian Institute of Occupational Hygienists
PO Box 1205
Tullamarine 3043

Position : Production Editor of Newsletter

Duties : The AIOH is the professional body for Occupational Hygienists within Australasia. It has a total membership of approximately 300. Production of the newsletter entailed the graphic design of the format and layout, the selection and proof reading of contributor's articles, and the administration of the printing and mail out.

Period of employment : 1/93 – 6/97

7. UNILINK
Deakin University
Geelong 3217

Position : Senior Research Officer

Duties : Production of the Insulation Wools Update Bulletin for the FARIMA group of companies. The bulletin reviews developments in the health assessment of insulation materials worldwide. Production of the Bulletin involves obtaining scientific papers from data bases and libraries, reviewing and summarising the articles and compiling and designing the layout of the bulletin. Distribution is worldwide to the scientific community, manufacturers, trade unions, end user groups and numbers over 2000 copies per edition.

Period of employment : 2/91 – 2/01

8. Department of Occupational Hygiene
Deakin University 3217

Position : Lecturer Level B Grade 5-6

Duties : Preparation of off-campus course material for the Graduate Diploma of Occupational Hygiene. This involved the design of the course format and structure, the preparation of notes, the inclusion of diagrams, tables, in-text questions, summaries and readers and the provision of support for students of the course. Subjects for the Graduate Diploma included Toxicology, Chemical Environment, Human Factors and Control and Radiation. Student newsletters, assignments, exams and practical sessions were also developed and run during this period.

Period of employment : 6/92 - 2/94

9. The Geelong Hospital
Ryrie Street
Geelong 3220

Position : Registered General Nurse (Night Duty 30 hrs/fortnight)

Duties : Medical/Surgical Wards
In-charge duties included

Period of employment : 6/90 - 6/92

10. Department of Biological and Health Sciences
Deakin University 3217

Position : Technical Officer

Duties : Supervision of Biochemistry and RIA Laboratories (Stock purchases, equipment maintenance, storage, disposal of wastes, safety, staff training and orientation, first aid, occupational hygiene, maintenance of supplies and administration of services). Design of new methods and practicals (2nd and 3rd year Biochemistry practicals and the Molecular Biology practical unit) involving costing, ordering of equipment and reagents, bench workup and the writing of practical notes. Evaluation of hazardous materials, grading, storage and documentation. Evaluation and implementation of new equipment and methods. Training and Instruction (students, post-graduates and staff).

Period of Employment : 7/86 - 6/90 full-time

11. The Geelong Hospital
Department of Nursing
Ryrie Street
Geelong 3220

Position : Trainee Nurse / Registered General Nurse

Duties : General Ward Duties (Medical/Surgical), Specialist Areas (Intensive Care, Coronary Care, Maternity, Paediatrics, Accident and Emergency, Operating Theatre) including approximately 2 years of In-Charge experience

Period of Employment : 2/80 - 6/86

12. The Geelong Hospital
Department of Chemical Pathology
Ryrie Street
Geelong 3220

Position : Hospital Scientist

Duties : Routine Biochemical Analysis (Electrolytes, Blood Gases, Enzymes, Electrophoresis, RIA). Maintenance of Equipment and Instrumentation. Assessment and incorporation of new methods/technology. Quality Control. Laboratory Safety. Training and initiation of new staff

Period of Employment : 6/76 - 3/79

Presentations

Practical Assessment of Heat Stress, Joint Australian Institute of Occupational Hygienists and Ergonomics Society Seminar, Victoria University of Technology, 8/11/00.

Australian Standard AS 3666 & The Victorian Health Regulations 1990, Indoor Air Quality Improvement and Prevention of Sick Building Syndrome, New Developments in Indoor Air Quality Improvement, IES Conference, 17/9/98.

A Dispersion Model of Exposure to Welding Fume, Australian Institute of Occupational Hygienists Annual Conference, Hyatt Regency Hotel, Perth, 3/12/96 (with C.N.Gray).

Approaches for the Design of Exposure Models for Welding, Australian Institute of Occupational Hygienists Annual Conference, Hyatt Regency Hotel, Perth, 3/12/96 (with C.N.Gray).

What happens on the shop floor – the realities, WTIA International Seminar, Raffles on the Park, Bulleen, Melbourne, 14/2/96.

Investigation of Analytical Methods for the Determination of Ozone, Australian Institute of Occupational Hygienists Annual Conference, Ramada Grand Hotel, Adelaide, 11/12/95.

Exposure to Welding Fumes and Gases in Industry, Deakin University Faculty of Science, Geelong, 10/11/95.

The Assessment and Control of Exposure to Welding Fumes and Gases, Welding Technology Institute of Australia (WTIA) Welding Safety Seminar, Huntley Hotel, Rose Hill, NSW, 9/3/95.

Welding Fumes and Gases, Australian Institute of Occupational Hygienists Annual Conference, Brisbane, 7/12/94.

Workplace Assessment of Welding Fumes and Gases in Australian Industry, 42nd National Welding Conference, Melbourne, 24/10/94.

The Hazards of Exposure to Welding Fumes and Gases, Structural Steel Fabricators Association of Victoria, Melbourne, 28/9/94.

Publications/Papers

Gray, C.N., McNeil, J., Sutherland, R.A., Insulation Wools Update Bulletin, FARIMA, Issues 1-16, August 1991 - December 1998.

Jordan, B.J., Sutherland, R.A., Static Eliminators, Australian Institute of Occupational Hygienists Newsletter, n.59, p.17, 1995.

Sutherland, R.A., Review of Welding Assessment Methods, Australian Institute of Occupational Hygienists Newsletter, n. 52, p.23, 1994.

Sutherland, R.A., The Protective Influence of the Welding Helmet, Australian Institute of Occupational Hygienists Newsletter, n.56, pp.24-25, 1995.

Sutherland, R.A., The Miniram as a Field Instrument for the Occupational Hygienist, Australian Institute of Occupational Hygienists Newsletter, n.57, pp.15-20, 1995.

Sutherland, R.A., Gawne, K.G., Welding Fume – Workplace Risk Assessment, Proceedings of the WTIA 45th Annual Conference, Melbourne University, 1997.

Sutherland, R.A., Heat Stress and Sporting Events, Australian Institute of Occupational Hygienists Newsletter, June 2004.

Sutherland, R.A., Z Weighting, Australian Institute of Occupational Hygienists Newsletter, May 2005.

Sutherland, R.A., Microwave Ovens, Australian Institute of Occupational Hygienists Newsletter, March 2008.