



23.11.2021 Curriculum Vitae

Rex Alexander MPP (Em Mgt). Grad Dip (Adult Ed). M.I. Fire E

NSI No. 010-762-5220

Current Business Role: Technical Director
Envirocom (NZ) Limited

Hazardous Substances Consultant & Trainer Parts 4 & 18

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Office: 29 Fortune Street
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General background and qualifications:

Please note: Copies of certificates and proof of listed appointments are available.

2022 – Elected President Hazardous Substances Professionals (HSPNZ) Inc.

2021 - 2022 – Appointed as toxicology / health subject matter spokesperson to the Vietnam Veterans / RNZRSA Working Group to progress negotiations with government for continued recognition of health issues resulting from Agent Orange. Elected to the Executive Committee of the NZ Vietnam Veterans Association.

2021 – With two partners in NZ and Canada respectively incorporated Disruptive Training Ltd to deliver online courses in chemical and health and safety management through Socratic Dialogue concepts using virtual and augmented reality technology on a Thinkific and Brillium LMS and proctoring platform.

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2020 – Graduate Diploma in Professional Practice (GDPP) in Adult Education with Distinction. NZQA Level 6; 120 Credits

2020 – Undertook 3D High Definition Photogrammetry of University of Otago Mellor building chemistry teaching laboratories for GDPP e-learning project chemical laboratory compliance

2019 – Audited LandCare Research and Ministry of Primary industries laboratories

2019 - Conference Speaker Safety360 (Conferenz) and 2020 by Zoom

2019 - Presenter Brightstar – hazardous waste, managing hazardous substances and laboratory compliance

2019 – Expert Witness for Invercargill case

2019 – Engaged by the Timber Treatment Industry and Distilleries Aotearoa to progress exemptions and legislative amendment changes including s.220 of the Health and Safety at Work Act 2015 and to develop draft Safe Work Instruments (SWI) respectively where compliance for these industries with the Regulations as written was not possible.

2018 - Conference Speaker Lab Innovations & Excellence (Conferenz)

2018 - Joint Venture agreement signed with The Learning Place Ltd to provide online training in the management of chemicals to the Health and Safety at Work (Hazardous Substances) Regulations 2017: Part 5 – General Industry and Part 18 – Laboratories. Relationship since dissolved amicably due to The Learning Place Ltd change in corporate direction to address increased secondary school demand and online workload due to Covid-19

2018 - Appointment as a representative of the southern group of Territorial Local Authorities to the Environmental Protection Authority (EPA).

2018 - My approvals as a Compliance Certifier expired and were cancelled 29th May. In correspondence with the WorkSafe New Zealand; Compliance Applications and Registrations (CAR) Team Manager Adrian Straayer at that time I received the following: *“We recognise your experience and commitment to the sector and would like to continue to engage with you as a hazardous substances consultant promoting health and safety.”*

2017 - I achieved the degree of Master of Professional Practice (MPP) with Distinction in IT Design – Software as a Service (SaaS). NZQA Level 9; 180 Credits. The project covered the risk and emergency management of hazardous chemicals compliant to Part 5 of the Regulations, and Regulation 14 of the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016 and to equivalent international controls.

2017 – engaged by Antarctica New Zealand to review compliance at Scott Base and the Hot Water Drilling Project; Traverse of the Ross Ice Shelf by Victoria University and of the USAP Base at McMurdo. Co-developed the HSWA s.220 Exemption for use of fuels by Antarctica New Zealand

2017 – Expert Witness for court case in Christchurch agrichemical hazardous substance compliance

I have critiqued and submitted on all regulatory changes from 1990 to the present including Major Hazard Facilities (MHF's). I have a thorough understanding of the legislation and, as importantly, the history behind it because of regulatory controls not being transferred to new regimes in full or with errors.

2017-2018 - Director of Compliance Certifiers Ltd a continuation of the framework concept enabling the certifier directors to contract for national business. Resigned to avoid conflict of interest limitations (Regulation 6.22) on certifiers engaged in consulting and training.

2016 - Conference Speaker Safety360 (Conferenz)

2009 – Expert Witness HSNO Prosecution – the only one ever taken

2008 - Appointment as a member of the Ministry for the Environment (MfE) Test Certifier Review Advisory Group for a term of 1 year.

2006 - The development in Moodle® of a HSNO Approved Handler certification renewal e-learning project. That service continued till transfer of the HSNO Regulations in 2017. Courses addressed all hazardous substance classes including agrichemicals that triggered the requirement for the 5-yearly re-certification. Original approvals were through face to face courses generally to Unit Standard 20645 – Knowledge of HSNO and conducted by most Test Certifiers (now constrained by Conflict of interest in the 2017 Regulations).

2004 - Commencement of HSNO, my position disestablished from the Dunedin City Council and the incorporation of my company Envirocom (NZ) Limited.

2004 – 2016 Director HSNO Trainers & Test Certifiers Ltd a framework company enabling a group of certifier directors to contract for national business

2004 – University of Otago Post Graduate level HAZX405 Toxicology, Grade A+

2003 & 2006 - GrowSafe Introductory: Agriculture ITO

2002 - Approved by the Environmental Risk Management Authority (ERMA) as a Test Certifier. This approval continued through the Environmental Protection Authority (EPA) and WorkSafe New Zealand administration of HSNO and the transfer of the HSNO Regulations to the Health and Safety at Work Act 2015 until 2018.

2002 - Assigned the 'Instrument of Delegation' by ERMA to act as the DG Licensing Authority for Dunedin City.

2002 - OSH Dept of Labour Certificates of Achievement and Proficiency.

2001 – University of Otago Post Graduate level CHEM467 Management of Chemical Hazards, Grade A+

2001-2006 Contracted to DoL / OSH as a HSNO warranted enforcement and training officer

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2001- to-date: Appointed as an advisor to the Humanities Faculty, Board of Studies University of Otago for the Hazard Assessment and Management (HAZA) Papers – continuing. The individual papers are still available but can no longer be put towards a Post Grad Certificate or Masters' qualification.

2001 - 2004 Appointed to the Ministry for the Environment (MfE) High Level Working Group for the Coordination of HSNO Commencement representing Territorial Local Authorities. Nominated for the MfE Green Ribbon Award.

1999-2001 & 2004-2007 Branch Councillor Institution of Fire Engineers NZ Branch. Conference organiser

1999 – 2004 Special advisor to the Minister for the Environment the Hon Marian Hobbs in the last Labour government on HSNO matters

1998 – Expert Witness arson case

1998 - OSH Dept of Labour Certificate of Attainment for Dangerous Goods Inspectors

1998 - Appointed to the ERMA 'Ad-hoc Committee for the Commencement of HSNO' (Hazardous Substances and New Organisms Act and Regulations) alongside representatives of other HSNO s.97 Enforcement Agencies including Maritime Safety and Civil Aviation.

1996 – 2004 President NZ Institute Hazardous Substances Management and Editor of that professional organisation's publication 'Flashpoint' and conference organiser.

1994 – 2002 On-call Member NZ Fire Service chaired Hazardous Substances Technical Liaison Committee (HSTLC) & NZ Police chaired Emergency Service Co-ordinating Committee (ESCC).

1996 - Local Govt NZ / Shell Oil NZ Ltd Scholarship to study Marine Oil Spill Response; 6 months UK & Europe including UK Coastguard Agency Marine Pollution Control Unit (MPCU) course and Masters' level course in Explosion Prediction & Mitigation at the University of Leeds.

1993 - Members papers The Institution of Fire Engineers UK (IFE) – Aero Fire Studies, Fixed Installations, Building Construction

1991 - Appointed to the position of Senior Inspector of Dangerous Goods and multi-skilled building compliance officer Dunedin City Council.

1981 - Member examination; IFE – 5 papers

1979 - Graduate examination; IFE – 4 papers & NZ Fire Brigades Institute Member by examination – 2 papers

1977 - University of Otago Man & Environment MATE1: Grade B-

11 years as an operational Fire Officer with the NZ Fire Service (now FENZ) 1974-1985

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1972-1974 - Army reserve time transferred to the Royal NZ Navy

I served as an infantry combat medic and explosives specialist with V6 Company in 1971 with 1st the Royal New Zealand Infantry Regiment / 4th the Royal Australian Regiment during the Vietnam war.

1970 - Diving Instructor Royal Marine Commandoes Special Boating Section (SBS) on attachment from NZ Army in Singapore. Diving Instructor Combined Services recreational diving club. Member of the Combined Services Freefall recreational skydiving team

1969 - Commercial diver Chatham Islands

1963 – '67 - Timaru Boys High School 1966 School Certificate