

Richard Hammond

Short work history & statement of capabilities

Richard has had a wide ranging career, beginning in the industrial chemical manufacturing industry, passing through the NSW State Pollution Control Commission, the mining industry, the ACT Parks and Conservation Service and the Tasmanian Department of Environment and Land Management before branching out on his own.

During this time, Richard was responsible for the design and implementation of monitoring programs for marine and freshwater systems, noise, vibration and air pollutant emissions to determine the effects of urban processes in the Botany Bay catchment as well as from a large open-cut base metal mining operation in the Southern Highlands of NSW. This latter included the design and implementation of a complex groundwater monitoring program to detect leachate from tailings dams and contaminated rock dumps, as well as the rehabilitation and revegetation of disturbed areas on the lease.

Following these experiences, Richard was responsible for designing and implementing a program to determine the impact of land management practices in the Murrumbidgee River catchment on the rate of sedimentation in Lake Burley Griffin in the ACT.

For the 7½ years of his employment with the Department of Environment and Land Management, Richard has, among other

been both the State Oil Pollution Control Officer and the Scientific Support Co ordinator for Tasmania, responsible for the development and implementation of contingency plans for response to marine oil spills. An additional responsibility was the development of a hard-copy Coastal Resources Atlas for Tasmania and its further development into a GIS-based product.

These activities culminated in the highly effective and satisfactory response to the *Iron Baron* incident at the mouth of the Tamar River in July 1995.

Other general responsibilities included response to hazardous materials incidents that also entailed the rehabilitation of affected areas.

During the last 3 years of his time with DELM, Richard was responsible for the development and management of the Tamar Valley Airshed Study. This was a major investigation into air circulation patterns that lead to the development of a computer-based model that can predict the movement of pollutants within the valley.

An additional responsibility during this period was to chair the ANZECC Marine Debris Working Party. This was a national group comprised of representatives from all levels of government, industry and community groups, tasked with determining Australia's compliance with obligations for marine debris control under the international MARPOL Convention and to progress the further implementation of measures to ensure better compliance.

This extended into the port reception facilities, ballast water, environmentally sensitive areas and anti-foulant issues as a result of further initiatives within ANZECC.

Under the MARPOL Convention, most vessels will be required to develop on-board waste management plans as well as carry a garbage record book - similar to the current oil record book. With the development of a ballast water Annex under MARPOL, port and ship operators will be subject to more stringent controls to minimise the introduction of exotic marine organisms.

As a direct result of his management of large and complex investigation and monitoring programs and consultancies, Richard is well placed to initiate and manage an effective multi-disciplinary, multi-organisation approach, if required, for larger projects.

Growing environmental awareness and increasing recognition of the concept of "due diligence" in environmental performance, as shown by the worldwide acceptance and increasing implementation of AS/NZS 14001, means that organisations must be able to prove that they are environmentally responsible if they are to become and remain competitive.

For the last 8 years, Richard has largely been engaged within the NHT / Landcare community, supplying GIS & mapping services (using MapInfo and designing MS Access databases) for Landcare and related groups.

As a direct result of his experience in contingency planning, he has also been engaged on risk assessment, security and emergency management projects for the State Emergency Service, local government and businesses, through the application of AS/NZS 4360 and the principles of CPTED, and for port authorities through the application of AS/NZS

Richard therefore has the proven ability to develop, implement, manage and exercise:

- **ENVIRONMENTAL MANAGEMENT AND DEVELOPMENT PLANS AND AUDITS** for ports, boat harbours, marinas and vessel owners and operators - to ensure compliance with Australia's international obligations as well as State and local government requirements for garbage control, waste reception facilities, hull cleaning and ballast water control;
- **ENVIRONMENTAL MANAGEMENT SYSTEMS, AND DEVELOPMENT PLANS** for land-based operations - to ensure compliance with Federal, State and local government requirements for proper environmental performance and accountability;
- **CONTINGENCY AND EMERGENCY MANAGEMENT PLANS** for ports, shore facilities, vessels and land-based industries - to ensure rapid and effective response to oil and chemical spills and to assist in preparedness for site emergencies;
- **RISK ANALYSIS, SECURITY ASSESSMENTS AND PLANS** in the maritime and public safety areas.

Richard also has the experience and expertise to provide a range of GIS, mapping & database services.



ABN 32 991 550 356

PO Box 77, LAUNCESTON, Tas, 7250, Australia

E-mail: richardhammond@genames.com.au

Web: <http://www.genames.com.au>

Domestic

Ph: (03) 6394 8409 Fax: (03) 6394 8469 Mob: 0418 568 923

International

Ph: +61 6394 8409 Fax: +61 3 6394 8469 Mob: +61 418 568 923



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