



# Environmental Management Systems

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## ENVIRONMENT INTERNATIONAL LTD.

### ISO 19011: The New Auditing Standard

The International Organization for Standardization (ISO) has developed a family of management system standards to help corporations and other organizations better manage their operations. ISO 9000, the quality standards, were published in 1987. Nine years later, the environmental standards ISO 14000 were released. Numerous organizations, seeing the success in ISO 9000 implementation, jumped to implement ISO 14000. ISO 14000 has similar requirements to those of ISO 9000, and many companies could integrate ISO 14000 into their existing quality management system to address environmental issues. In 2000, ISO 9000 was improved to be more compatible with ISO 14000, resulting in ISO 9000: 2000 series.

One major area of overlap between the two standards is auditing. ISO 11011 (Parts 1, 2 and 3) included auditing standards for quality, while ISO 14011, 12 and 13 addressed auditing standards for environmental management. To address the issue of overlap between ISO 9000 and 14000 auditing, a joint working group was formed; members of the ISO Technical Committee (TC) 176 on quality auditing joined with members from TC 207, the committee tasked with developing the ISO 14000 series of standards and guidance documents. After nearly four years of development and deliberation, the joint working group released a new standard applicable to both quality and environmental management auditing in October 2002: ISO 19011, "Guidelines for Quality and/or Environmental Management Systems Auditing." This new combined standard will make it easier for companies and other organiza-



tions to implement integrated quality and environmental management systems. Additionally, combined and joint ISO 9000/14000 audits will provide savings to companies in time and resources.

In short, the goal of ISO 19011 is to offer a simplified approach to auditing. This is especially true for companies certified under both ISO 9000 and 14000, where ISO 19011 can be applied to the full range of quality and environmental management auditing activities.

As part of the Technical Advisory Group (TAG) to TC 207, Environment International Ltd. (EI) staff members have been involved in the growth and development of the ISO 19011 standard. EI will continue to work as part of a Working Group tasked with developing guidelines for the use of the ISO 19011 standard. The Working Group is made up of eight representatives of government, industry and consulting. This draft guideline is scheduled to be completed on an expedited schedule, with the draft being completed by April 2003 and final publication in January 2004.

## Key EI Environmental Management Team Members

**Dr. P.J. Bridgen, Ph.D., M.B.A.** Dr. Bridgen has over 20 years of experience in environmental management, regulatory compliance assessment, pollution prevention, and hazardous waste auditing and management. She is a member of the Technical Advisory Group to TC 207 and one of eight representatives of government, industry and consulting on the Working Group developing guidelines for interpretation of ISO 19011 for internal auditing and small/medium organizations. She is a RAB Certified ISO 14001 Lead Auditor and a recognized expert in risk assessment and ISO 14001. She has helped companies, municipalities, educational institutions and tribes build custom-tailored environmental management systems.

**Ms. Valerie Ann Lee, J.D., M.S. Civ. Eng.** Ms. Lee has provided advice to industry and government for over 20 years as an environmental attorney, policy analyst, and engineer. She has assessed facility environmental compliance with all major federal and state regulations. Ms. Lee has conducted broad-ranging reviews of management systems and has a thorough understanding of the elements that constitute a well designed ISO 14001 EMS. She has conducted training educating judges, lawyers and environmental scientists regarding the development of statutes/regulations and capacity to protect and manage the environment under sustainability strategies.

**Ms. Jean Lee, P.E.** Ms. Lee is a licensed chemical/environmental engineer and trained lead auditor for ISO 14001 with over ten years of experience in the environmental industry. She has developed EMSs, helped implement EMSs and conducted EMS and compliance audits. Her areas of expertise

include environmental analysis, management and planning, including waste minimization and remediation. Ms. Lee's process-oriented approach is essential for ISO 14001-based environmental management systems and pollution prevention planning.

**Ms. A.J. Van Wallendael, B.S.** Ms. Van Wallendael has over 18 years of experience with environmental audits and designing, implementing and monitoring EMSs. She achieved RAB ISO 14001 Lead Auditor certification and has conducted numerous ISO 14001 EMS audits. She also has designed and implemented hazardous waste management and waste minimization programs.

**Mr. Mark Brady, M.S.** Mr. Brady has expertise in the areas of EMS, pollution prevention and life-cycle assessment. He has assisted in the development of ISO 14001-based EMSs for industrial clients. Mr. Brady has provided training on EMS concepts and auditing procedures to EPA personnel across the United States. He has conducted compliance audits for various facilities to assess compliance with all state and federal laws.



*Environment International Ltd. staff members include two Registrar Accreditation Board (RAB) certified ISO 14001 Lead Auditors.*

## About the Company

Environment International Ltd. (EI) is an interdisciplinary team of scientists, policy analysts, training specialists, lawyers and engineers with specialized knowledge and experience in environmental management systems, sustainable development, pollution prevention and strategic planning. EI can audit and analyze your organization's management plans under ISO 14001 and other environmental standards and apply them to address your organization's needs and concerns. EI also can provide training to ensure that employees understand plans and follow them. If there is no plan in place, EI can help you develop one. EI helps organizations develop and implement solutions for a sustainable, productive workplace.

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