

FRIDAY FORUM #18

Sustainable Air Quality In Auckland

Friday, 18 September 2009 , 9am – 12 noon
The Conference Centre, 585 Great South Road, Penrose.

Speakers: Gerda Kuschel / Kevin Mahon / Kevin Rolfe

Gerda Kuschel

Gerda Kuschel has 24 years experience working as a chemical engineer for a broad range of industries including oil & gas processing, metal smelting, universities, consumer goods, research & development, government agencies, and environmental consulting in Australasia.

She has been involved in air quality management in New Zealand since 1995, when she joined NIWA as a researcher working on emissions inventories, hazardous air pollutants, ambient monitoring and transport emissions. In 2004, Gerda moved to the ARC to be part of the team focusing on the implementation of the Air Quality National Environmental Standards. She left in 2008 to setup Emission Impossible Ltd - a consultancy which deals with the management of air quality and vehicle emissions.

Gerda is the immediate past President of the Clean Air Society of Australia and New Zealand and has published more than 250 technical papers and general articles on air quality and environmental sustainability issues.

Kevin Mahon

Kevin Mahon is the Manager for Air Quality Policy at the Auckland Regional Council (ARC), with 28 years of air quality management experience. Prior to joining the ARC in October 1991, he worked as a District Air Pollution Control Officer for the Northern Air Pollution Control Group, Department of Health, for over ten years.

To date, he has been responsible for processing several hundred Clean Air Act 1972 (CAA) (repealed) licences and Resource Management Act 1991 (RMA) resource consents, source emission testing, ambient monitoring, follow up of public complaints, inspection visits, regulator/enforcement activities, policy development, environmental education and air quality strategy and management.

In his current role, Kevin's primary responsibilities are the development and supervision of air quality policies, strategies, monitoring, investigations and giving advice on air quality to various stakeholders, both internal and external to ARC. The major focus of his work in recent years has been the development of strategies and investigations to implement the National Environmental Standards for Ambient Air Quality.

Kevin Rolfe

Kevin Rolfe is a Chartered Chemical Engineer and Chartered Scientist with 38 years of environmental management experience in various capacities, in New Zealand and overseas, mainly in air quality management and related fields.

From 1978 to 1991 he was the Regional Air Pollution Control Officer, Department of Health, for the northern half of the North Island, based in Auckland; from 1991 to 1995 he was the Air Quality Management Specialist for the World Health Organization, based in Kuala Lumpur; and from 1995 to 1998 he was the Chief Executive of Environmental Services Australia, the commercial arm of the EPA

Victoria, based in Melbourne, during which he was Project Director of many large development assistance projects in Asia-Pacific.

Now, as a consultant, Kevin's work in New Zealand includes preparing independent reviews of the environmental performance of major industry; peer reviewing and mentoring the work of others; and frequent engagements as an independent RMA hearings Commissioner for regional councils, especially in the chemical manufacturing, thermal power generation, and waste management areas.

Sustainability Forums

The NZSSES hold regular forums aimed at exploring different engineering and science sectors and their approach to sustainability. The forums are morning sessions and comprise brief presentations from guest speakers followed by a facilitated discussion.

It is hoped that problems with understanding and implementing sustainability principles will be identified and discussed.

Topics so far:

- *Forum 16 – Auckland: Sustainable Transport* (July 2009)
- *Forum 15 – Auckland: Complexity, Innovation and Decision* (May 2009)
- *Forum 14 – Auckland: Municipal Three Waters* (April 2009)
- *Forum 13 – Christchurch: Blueprints for Sustainable Infrastructure Conference Papers* (March 2009)
- *Forum 12 – Auckland: Sustainable Housing* (Sept 2008)
- *Forum 11 – Christchurch: Strategies for Canterbury Water* (Aug 2008)
- *Forum 10: Auckland: Sustainable Electricity* (July 08)
- *Forum 9 - Auckland: Biofuels* (May 2008)
- *Forum 8 – Christchurch: Water: Supply and Storage* (March 2008)
- *Forum 7 – Auckland: Future thinking and Frontier Design* (Feb 2008)
- *Forum 6 – Auckland: Carbon Trading* (Oct 2007)
- *Forum 5 – Auckland: Sustainable Transport: Cars and Congestion* (Aug 2007)
- *Talking and Walking Sustainability Conference* (Feb 2007)
- *Forum 4: Auckland: Governance and Sustainability* (Sept. 2006)
- *Forum 3 – Auckland: Consultants and Sustainability* (May 2006)

NZSSES

The New Zealand Society for Sustainability Engineering and Science is a Learned Society established to foster the discipline of sustainability engineering and science as the study of complex systems. NZSSES provides training and information sessions on sustainability through its workshops, seminars, forums and international conferences.

The NZSSES is a Technical Interest Group of the Institution of Professional Engineers of New Zealand and an Affiliated Organisation of the Royal Society of New Zealand.

Forum 18: Sustainable Air Quality in Auckland

Programme –18 September 2009

9am	Welcome and introductions This seminar will address the following: <ul style="list-style-type: none"> ○ What is the current state of Auckland's air quality? ○ What are the key sources contributing to the problem? ○ What are the co-benefits resulting from improved air quality management? ○ For each of the major sources – domestic fires, motor vehicles and industry – <ul style="list-style-type: none"> ○ Where have we come from? ○ Where are we now? ○ What targets do we need to achieve? ○ What is the future looking like? ○ Questions and answers e.g. <ul style="list-style-type: none"> ○ Will the Super City developments impact any of this? ○ What's going on with the review of the Air Quality National Environmental Standards? ○ What changes could the creation of an Environmental Protection Agency bring? 	Dr Carol Boyle Chair NZSSES
9.05am -	Intro - Gerda Kuschel	
9.15 am	Domestic Fires – Kevin Mahon	
9.40am	Motor Vehicles – Gerda Kuschel	
10.05	Industry – Kevin Rolfe	
10.25	Warp Up – Gerda Kuschel	
10.30	Morning tea (20 minutes)	
10.50	Panel Discussion / Debate / Wrap up	
12 noon	FINISH	

Registration / Information

Fee	<ul style="list-style-type: none"> ○ Free for members of NZSSES ○ \$40 incl. GST for non members
Cancellation policy	Please note a 25% cancellation fee applies to all cancellations. Cancellations made within 48 hours and Non-attendance on the day will incur the full fee
To Register	<i>Email to vicky@nzsses.org.nz</i>