

<http://dx.doi.org/10.17159/2410-972X/2016/v26n1a5>

Every year, NACA presents awards to recognise the contribution of individuals and industries to improving the Air Quality in South Africa. During the 2015 NACA conference awards the NACA leadership award, the NACA Golden Award and the NACA Mining and Industry award were presented.

NACA Leadership in Air Quality Award: Mr Peter Lukey

The NACA Leadership in Air Quality Award is made annually to recognise exceptional efforts in one of the following fields:

- Research leading to understanding of the mechanism of air pollution in the broadest sense (Chemistry, Atmospheric Sciences)
- Research and/or development leading to improved methods or processes for the characterisation or reduction of air pollution
- The promotion of education/training in atmospheric pollution
- Service in a non-governmental organisation in an atmospheric pollution-related field. Enhancement of public awareness, management of air pollution at local or regional scale, or exceptional leadership to minimise the impact on the environment must be demonstrated
- Public service employees, for innovative, dedicated and/or long-term efforts in the reduction of atmospheric pollution
- A consistent effort at regional or local scale in the provision of high-quality monitoring results

Upon consideration of the conceptual and practical leadership that Mr Peter Lukey manifested in shaping the debate and influencing national policy on air quality and climate protection, and the immense contributions that he has made to the field of air quality management in South Africa over the past twenty years, the National Association for Clean Air (NACA) honoured his achievements by presenting him with the 2015 NACA Leadership in Air Quality Award.

Peter Lukey is a Civil Engineering Technologist who, after nine years as a contractor, left the construction industry to pursue his environmental interests. At Wits University, Peter completed his BSc Degree majoring in botany and advanced biological science (ecology), as well as co-founding the environmental activist organisation Earthlife Africa. He served as Earthlife's National Coordinator in the early days of the organization's development.

Following a period of 'committed activism', Peter took up a position as Environmental Programme Coordinator for the Danish development assistance agency DanCED (The Danish Cooperation for Environment and Development). At

the end of 2000, Peter left DanCED, after five years of working on environmental project support in the region, and took up the position of Project Manager for the Department of Environmental Affairs and Tourism's Environmental Protection Support Unit (EPSU). On the 1st of August 2003, Peter became the department's Chief Director: Regulatory Services where he was involved in setting up the so-called "Green Scorpions". On 1 July 2005, Peter became the department's Chief Director: Air Quality Management and Climate Change with the challenge of implementing the new Air Quality Act, a role he held until 2012. During this period Peter was influential in developing the National Framework for Air Quality Management which has guided the implementation of the Act. It was under his leadership that the South African Air Quality Information System was developed and the priority area ambient air quality monitoring networks were established.

Peter is currently the Chief Policy Advisor: Strategic Environmental Intelligence in the Environmental Advisory Services of the DEA, as such he still has an intimate involvement with the Air Quality community.

Golden Award: Dr Hanlie Liebenberg-Enslin

The NACA 'Golden Award' is intended to acknowledge an individual who has made an exceptional contribution to the air quality field in South Africa, either through specific studies or projects they have been involved in, or through involvement in the clean air community.

The 2015 award was made to Dr Hanlie Liebenberg-Enslin, in recognition of the exceptional contribution that she has made over many years to both improving the understanding and management of air quality in South Africa and through her involvement in the South African clean air community.

Hanlie is a former president of NACA and IUAPPA. During her tenure of both organisations she forged a closer working relationship between the South African and international Air Quality communities and she was instrumental in bringing the international IUAPPA conference to Cape Town in 2013.

Hanlie is Managing Director and joint founder of Airshed Planning Professionals. She is a skilled dispersion modeller, has worked on projects throughout southern Africa, and regularly teaches courses on air quality management. Hanlie received her PhD, focusing on Aeolian dust transport, in 2014.

We thank Hanlie for everything she has done to promote both NACA and the cause of clean air in South Africa.

NACA Mining and Industry Award: ArcelorMittal Vanderbijlpark Works



ArcelorMittal Vanderbijlpark Works representative, Johan Hattingh, receiving the NACA Mining and Industry Award

The NACA Mining and Industry award is made on an annual basis to recognise the concrete efforts and contributions made by industry to improve their air quality impact.

The 2015 NACA Mining and Industry award was made to ArcelorMittal Vanderbijlpark Works. Since 2005, the ArcelorMittal Vanderbijlpark Works have consistently implemented improvements in their air quality emission abatement actions, including the following:

- Production changes to reduce potassium chloride emissions;
- Improvements in maintenance and operations to reduce occurrence of upset conditions,
- Decommissioning of two coke batteries
- Rehabilitation of waste disposal sites and contaminated land to reduce wind erosion emissions,
- Installation of two new bag houses,
- Installation of water bausers for waste piles,
- Improvement of the material handling processes and enclosing tip stations, and
- Remediation of historic storage areas.

The results of these remediation efforts are that the dust emissions from the ArcelorMittal Vanderbijlpark Works have dropped from 6 120 tons in 2005 to 1 187 tons in 2014. This is a total reduction of 81%. The dust emissions from ArcelorMittal Vanderbijlpark Works point emissions are now 76% lower than the national minimum emission standards. We commend ArcelorMittal for the efforts made in reducing their impact on air quality in the Vaal Triangle region.