



MONASH University

Department of Chemical Engineering

SEMINAR

Novel Technologies for the Control of Air Pollutants from Coal Combustion

Presented by Dr Nick Hutson

Air Pollution Prevention and Control Division

Office of Research and Development

United States Environmental Protection Agency

Research Triangle Park, North Carolina USAut

Monday 30th June 2008, 4 – 5pm. Building 69, Room 201.

Abstract. The U.S. EPA maintains active research programs on the development and evaluation of technologies for control of air pollutants from both mobile and stationary sources. In this presentation, the speaker will provide a summary of his research program which is comprised of bench- and pilot-scale studies looking at novel technologies for control of air pollutants resulting from the combustion of coal. This will include discussions of research projects on the control of mercury via duct injection of powdered sorbents, control of SO₂, NO_x and Hg via a multi-pollutant wet scrubber, and a number of CO₂ separation and capture technologies.

Biography. Nick Hutson is a Research Chemical Engineer in U.S. EPA's Office of Research & Development. He has approximately 20 years of experience related to evaluation and testing of technologies for controlling emissions from stationary thermal sources, including coal-combustion and vitrification. Dr. Hutson's most recent work for the Agency has involved development and evaluation of technologies for control of mercury and other air pollutants from coal-fired electric utility plants. He also maintains an active research program in the area of CO₂ separation and capture.

Dr. Hutson received his undergraduate degree in Chemical Engineering from the University of Tennessee, and the Ph.D., also in Chemical Engineering, from the University of Michigan.

Inquiries to Dr Gareth Forde (gareth.forde@eng.monash.edu.au)