

Extractive Industry Geology Conference, 25 - 27 June 2008, Cardiff. Programme of Speakers

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| 26 June | | Day 1: SECURITY OF MINERALS SUPPLY | |
| 9.00 | Introduction: Alan Thompson, EIG 2008 Conference Chairman | | |
| 9.10 | Opening Address <i>Jane Davidson, AM, Minister for Environment, Sustainability and Housing</i> | | |
| 9.20 | The Ansel Dunham Lecture Long term aggregate supply - myths, perceptions, hazards, risks and solutions <i>Nigel Jackson, Executive Director, Quarry Products Association, & Chairman, CBI Minerals Group</i> | | |
| 10.00 | Theme 1 : Mineral Planning KEYNOTE PRESENTATION: The development of minerals planning policy in Wales since devolution <i>Sue Martin, Planning Division, Welsh Assembly Government</i> | | |
| 10.20 to 10.45 | Tea/coffee | | |
| 10.45 | Managing aggregates – how best to ensure economic growth is not constrained by a shortfall in aggregates supply? <i>A G Gunn, T J Brown, R Bate, N Jackson, D E Highley, J Ward, B Marker, A J Bloodworth</i> | | |
| 11.00 | Aggregates - Is there a need for indigenous production in England? <i>T J Brown, J Mankelaw, F McEvoy, J Ward, P Lusty, A J Bloodworth</i> | | |
| 11.15 | Reasons for the Decline in Aggregate Reserves in England <i>Kate Harris, Alan Thompson, David Knapman, Brian Marker, Jane Poole & Jenny Higgs</i> | | |
| 11.30 | Aggregate resource alternatives: Options for meeting aggregate minerals supply from outside National Parks and Areas of Outstanding Natural Beauty <i>J Mankelaw, T Brown, R Bate, J Ward, A J Bloodworth</i> | | |
| 11.45 | From Verney to Regional Technical Statements: The Managed Aggregates Supply System in Wales - evolution and issues <i>Ian Thomas</i> | | |
| 12.00 | KEYNOTE PRESENTATION: The Future of Aggregate Minerals Supply in England - Programme Overview <i>Lester Hicks</i> | | |
| 12.15 | <i>Panel discussion on the above</i> | | |
| 12.30 | Assessing the carbon footprint of transporting primary aggregates <i>J Mankelaw, D Oyo-Ita, M Birkin</i> | | |
| 12.50 to 13.45 | Lunch | | |
| | | Parallel Sessions | |
| 13.45 | Theme 2 : The UK Marine Aggregates Industry | | Theme 3 : The UK Coal Industry |
| 13.45 | The strategic importance of the marine aggregate industry to the UK <i>Linda Hetherington, David Highley</i> | | KEYNOTE PRESENTATION: The coal industry - what is the future? <i>Mike Gandy</i> |
| 14.10 | Coping with the issues surrounding future marine sand supply in South Wales: political, economic, environmental and geological issues <i>Ian Selby, Andrew Bellamy</i> | | 14.20 A Case Study: Tower Colliery - the Success Story <i>Tony Shott</i> |
| 14.45 | Marine and land sand and gravel: a comparative assessment <i>E Lockhart-Mummary, B R Marker</i> | | 14.45 Resources for the Future of British Coal <i>David Richardson</i> |
| 15.10 to 15.35 | Tea/coffee | | |
| 15.35 | Theme 4 : Industrial Minerals KEYNOTE PRESENTATION: From flintstones to microchips: the history of the use of industrial minerals <i>Manuel Regueiro y González-Barros</i> | | Theme 5 : The UK Building Stone Industry |
| 16.00 | Industrial minerals for glass manufacture: their geology, properties and resources <i>Peter W Scott</i> | | 15.35 Building stones of Wales - past, present (or lack of) and potential <i>David Wille</i> |
| 16.25 | UK glass sand: where on Earth will it come from? A 2020 vision <i>Alan Reynolds</i> | | 16.00 Safeguarding stone: identification of local stone resources for building and conservation in England <i>Don Cameron, Joseph Mankelaw, Graham Lott</i> |
| 16.50 | The Hemerdon Tungsten Mine – A New Paradigm for the UK Mineral Industry or what? <i>John Cowley</i> | | 16.25 Some Recent Developments in Building Stone Operations in Southern England <i>Geoffrey Walton, Mark Pritchard</i> |
| 17.15 | Close | | 16.50 On the road to Qalamkar: the block seller of Kabul <i>Clive Mitchell, Antony Benham</i> |
| 27 June | | Day 2: TECHNICAL ISSUES IN THE EXTRACTIVE INDUSTRIES | |
| | | Parallel Sessions | |
| 9.00 | Theme 6 : Geotechnics, Blasting and Safety | | Theme 7 : Geological Resource Assessment |
| 9.00 | Intraformational weak horizons in Coal Measures strata and their role in excavated slope stability <i>D Jameson</i> | | 9.00 New earth-science data and extractive industry policy in Northern Ireland <i>Mark Patton, Mike Young, Terry Johnson</i> |
| 9.30 | The rapid collection and practical application of geotechnical data to quarry designs <i>Andy Lapworth, Dan Tucker</i> | | 9.30 New 3D sub-surface modelling techniques for investigating sand and gravel deposits: an example from the Bytham River Terrace of eastern England <i>J Chambers, H Burke, J Lee, A Weller, P Wilkinson, E Bailey, H Kessler, J Aumonier, S Penn, O Kuras, R Ogilvy</i> |
| 10.00 | Interpretation of Geological Structure to Assist with Geotechnical Planning at Taffs Well Quarry <i>R C Oldcorn, R D Seago</i> | | 10.00 Case studies of the use of a whole-site first-assessment toolkit for combined mineral resource and archaeological assessment in sand and gravel deposits <i>Ian Hill, Keith Challis, Kip Jeffrey, Neil Linford, David Knight, Barry Smith, Duncan Wardrop</i> |
| 10.30 to 11.10 | Tea/coffee | | |
| 11.10 | Use of a photographic blast programme to improve rockfall analysis <i>A E Cobb, D Jameson, J C Baldock</i> | | 11.10 Coal mining in complex geological structures in South West Wales (and elsewhere) <i>Paul Bright</i> |
| 11.35 | Electronic detonators: a step forward in blast vibration control? <i>W J Birch, S Hosein, L Bermingham, K Blackburn</i> | | 11.35 Natural Resources and National Roads – The Case of a State Mining Facility of Scheduled Mineral and the N9/N10 Highway Scheme in Ireland. <i>Colin Comberbach; G. O'Donnell, and SPA Savery</i> |
| 12.00 | The Quarry Geotechnical Assessment - its purpose and content <i>Roy Bush</i> | | 12.00 A shale or not a shale? Independent evaluation for HMRC of potential exemptions from the Aggregates Levy <i>Luke Smith, Peter Doyle</i> |
| 12.30 to 13.30 | Lunch | | |
| 13.30 | Theme 8 : Hydrogeology | | Theme 9 : Quarry Restoration and After-Use |
| 13.30 | Good practice guidance on minerals and the water environment <i>Alan Thompson, Claire Howarth</i> | | 13.30 Quarry Restoration and After Use Options <i>George Elliott</i> |
| 13.55 | "Pondsizer": a free application for sizing attenuation ponds, sumps and settlement lagoons <i>Robin L Hall</i> | | 13.55 Minerals master planning through area action plans <i>David Atkinson</i> |
| 14.25 to 15.00 | Tea/coffee | | |
| 15.00 | Assessing the impact of quarry dewatering on archaeological assets <i>H Garrick, R Davison, G Digges La Touche</i> | | 15.00 Nature After Minerals: working together for excellent results <i>Alice Hardiman</i> |
| 15.30 | Experimental evidence for the effectiveness of recharge trenches in mitigating the effects of quarry dewatering in sand and gravel deposits <i>Toby Gill</i> | | 15.30 The influence of geology and previous quarrying activity on the development and future use of Penlee Quarry, Cornwall <i>Peter Scott, Geoffrey Walton</i> |
| 16.00 | Forensic hydrogeological techniques in defending quarry operators <i>Duncan Russell</i> | | 16.00 Geodiversity and the Aggregates Industry <i>Peter Scott, David Roche, David Lawrence, Keith Ambrose, Clive Nicholas</i> |
| 16.30 | Summing up | | |
| 16.45 | Close | | |