



Contaminated Site Remediation [stream 1 Tuesday]

Tuesday, 23 February 2010

Session Room 1

EcoForum Limited

Sustainable Remediation

Peter Nadebaum

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|----------------------|--|--|------|
| 09:30 - 09:45 | Remnant Site Contamination Practical Application of the Principles of Sustainable Development | Phil Sinclair - Coffey Environments | e025 |
| 09:45 - 10:00 | Mobilization Assessment and Possibility of Increased Availability of PAHs in Contaminated Soil and Groundwater | Lowell Kessel - Ivey International | e056 |
| 10:00 - 10:15 | Sustainable Remediation via Fuel Recovery & Reuse at Superfund Petroleum Contaminated Site | Lowell Kessel - EnviroLogek | e050 |
| 10:15 - 10:30 | Ten Case Study Review of Chlorinated Solvent Remediation of Soil and Groundwater Using Electrical Resistance Heating | Lowell Kessel - Thermal Remediation Services | e059 |

SuRF (The Sustainable Remediation Forum)

Peter Nadebaum

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| 11:15 - 11:45 | KEYNOTE: Update on Sustainable Remediation in the UK and USA | Curtis Stanley - Shell Global - USA | e128 |
| 11:45 - 12:45 | Workshop on the Draft Framework for Sustainable Remediation and Management | Peter Nadebaum - ALGA | e129 |

Site Management Plans

Wayne Drew

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| 14:15 - 14:30 | Determining if a Site Management Plan is Acceptable | Peter Nadebaum - GHD | e130 |
| 14:30 - 14:45 | Brompton Redevelopment Remediation - Use of Post Remediation Site Management Plans | Elmar Schaffeler - Tierra Environment | e041 |
| 14:45 - 15:00 | Sustainable Remediation via Long Term Environmental Management Plans – NSW | Paul McCabe - E3Consult | e071 |
| 15:00 - 15:15 | Site Management Plan - Former Newstead Gasworks QLD | Damien Morris - GHD | e072 |
| 15:15 - 15:30 | Environmental Management of a Remediated Marine Environment: Communication as an Element of Best Practice | Kate Hughes - The Earth Foundation Australia | e044 |

Investigation Levels / Risk Assessment

Greg O'Brien

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| 16:30 - 16:45 | Revision of the Health Investigation Levels for the Assessment of Soil Contamination | Sophie Wood - ERM Australia | e063 |
| 16:45 - 17:00 | Status of CRC-Care project on Development of Health Screening Levels for Petroleum Hydrocarbons | Eric Friebel - GHD | e073 |
| 17:00 - 17:15 | New Ecological Investigation Levels | Michael Warne | e131 |
| 17:15 - 17:30 | Asbestos in Soils - Remediation Criteria | John Howell - WA Dept of Health | e074 |



Contaminated Site Remediation [stream 1 Wednesday]

Wednesday, 24 February 2010

Session Room 1

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Volatile Organic Compounds and Vapour Intrusion [part 1]

Phil Sinclair

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| 09:30 - 09:45 | NSW Vapour Intrusion Guidelines | Andrew Mitchell - NSW DECCW | e075 |
| 09:45 - 10:00 | Application of Vapour Advection Modeling to the Development of Site Specific Health Risk Criteria for Lednez Site NSW | Eric Friebel - GHD | e076 |
| 10:00 - 10:15 | Review of Petroleum Vapour Data from Australia | Jackie Wright - Environmental Risk Sciences | e039 |
| 10:15 - 10:30 | Determination of Volatile Organic Compounds in Air by USEPA TO-15 | Ali Aal - SGS Australia | e008 |

Volatile Organic Compounds and Vapour Intrusion [part 2]

Erwin Benker

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| 11:30 - 11:45 | Interpretation and Use of Soil Gas and other Vapour Data | Jackie Wright - Environmental Risk Sciences | e040 |
| 11:45 - 12:00 | Assessment of Chronic Risk from Contamination on Operational Petroleum Sites | Jonathan Thom - URS Australia | e038 |
| 12:00 - 12:15 | Landfill and Ground Gases, VOCs and Vapour Intrusion - The Assessment and Management of Gas Contamination in Australia | Peter Gringinger - LanePiper | e060 |
| 12:15 - 12:30 | Sampling and Analysis - What it all Means | Nick Woodforde - Leeder Consulting | e135 |

Health and Ecological Risk Assessment

Andrew Pruszinski

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| 14:15 - 14:30 | Current Status of the NEPM Review | G O'Brien - EPA Queensland | e152 |
| 14:30 - 14:45 | A Marine Ecological Risk Assessment in Corio Bay | Kylie Dodd - ERM Australia | e016 |
| 14:45 - 15:00 | Marine Ecological Risk Assessment in a Shallow Subtidal Environment Within Port Phillip Bay | Kristi Hanson - AECOM | e081 |
| 15:00 - 15:15 | Modeling Methods and Assumptions used in Derivation of the Revised Draft Health Investigation Levels | Sophie Wood - ERM Australia | e062 |
| 15:15 - 15:30 | Sensitivity to the Assumptions Used in the Derivation of the Draft TPH Screening Levels | Eric Friebel - GHD | e133 |

Landfill Gas

Luke Cattlin

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| 16:30 - 16:45 | Planning and Contaminated Land - Lessons from Cranbourne and Recent VCAT Decisions | Mark Beaufoy - DLA Phillips Fox | e132 |
| 17:00 - 17:15 | An Integrated Model for Design of Soil Vapour Intrusion Mitigation Systems | Graeme Miller - Golder Associates | e042 |
| 17:15 - 17:30 | Mitigating the Risks of Landfill Gas Migration and Ingress - Picking a System That's Right for the Site | Sam Gunasekera - Coffey Environments | e078 |



Contaminated Site Remediation [stream 2 Tuesday]

Tuesday, 23 February 2010

Session Room 2

EcoForum Limited

Workshop - Use of Surfactants in Remediation [part 1]

Lowell Kessels

09:30 - 12:45 Surfactant Enhanced HVDPE Remediation of Petroleum Contaminated Soil, Bedrock, and Groundwater

Lowell Kessel - Ivey International e055

Site Remediation

John Hunt

14:15 - 14:30 Achieving Sensible Solutions to Soil and Groundwater Contamination Problems

Steven Kirsanovs - AEC Environmental e014

14:30 - 14:45 Veolia Environmental Services Mercury Immobilisation Project

Dan Stangroom - Veolia Environmental e084

14:45 - 15:00 Surfactant Enhanced Remediation of DNAPL Contaminated Soil and Groundwater, Refinery Site Case Study

Lowell Kessel - Ivey International e057

15:00 - 15:15 Concurrent Remediation and Construction Program for a Railway Heritage Centre Upgrade

Colee Quayle - Coffey Environments e023

15:15 - 15:30 Bio Remediation - A Cost Effective and Environmentally Sustainable Solution

Gary Pearse - S-200 Oil Gone e028

Site Assessment and Remediation

Anna Cochrane

16:30 - 16:45 Derivation of Site-Specific Health Risk Based Remediation Criteria for Arsenic at a Former Gold Mining Site in Victoria

Kristi Hanson - AECOM e080

16:45 - 17:00 PAH Remediation and Leaching Characteristics at Gasworks Sites

Annette Nolan - EnviroPacific Services e036

17:00 - 17:15 Evaluation of Sustainability Factors During Soil Vapor Extraction Treatment

Lowell Kessel - EnviroLogek e051

17:15 - 17:30 Heat Enhanced Bioremediation at Chlorinated Solvent Sites using Electrical Resistance Heating

Lowell Kessel - Thermal Remediation Services e058



Contaminated Site Remediation [stream 2 Wednesday]

Wednesday, 24 February 2010

Session Room 2

EcoForum Limited

Closed Auditors Meeting [part 1]

Peter Nadebaum

09:30 - 12:45 This session is of interest to remediation auditors only

Peter Nadebaum - GHD e134

Groundwater

Tony Scott

14:15 - 14:30 Developing an Effective Groundwater Remediation Strategy through Cost-Benefit Analysis

Denton Mauldin - OTEK Australia e009

14:30 - 14:45 Managing Expectations of Performance of Chlorinated Solvent DNAPL Remediation Technologies

Julie Konzuk - Geosyntec Consultants e027

14:45 - 15:00 Assessment & Management of LNAPL and Associated Impacts in the Fractured Basalt of Melbourne

Raghava Dasika - URS Australia e029

15:00 - 15:15 Towards an Integrated Remedial Solution for DNAPL Source Reduction

Gonzalo Parra - E3 consulting e030

15:15 - 15:30 CASE STUDY: Facilitating a Property Transition Where Free Phase Hydrocarbons are Present

Lance Robert - ERM Australia e049

15:30 - 15:45 Bombo Latite with Naturally Elevated Copper Concentrations and Potential Effects on Groundwater

Colee Quayle - Coffey Environments e022

Analytical Methods and Assessment

Clive Robinson

16:30 - 16:50 High Performance Liquid Chromatography/Mass Spectrometry: An Emerging Technology

Marc Centner - ALS Laboratory Group e005

16:50 - 17:10 Dioxins, Contaminated Land and Remediation

Clive Robinson - ALS Laboratory Group e004

17:10 - 17:30 The New TPH Health Screening Levels - Appropriate Analytical Methods

TBA e136