



25 - 27 March 2009, Sinaia - Romania
Auditorium Hall - International Hotel

Investigation and Risk-Based Remediation of Contaminated Soil

- strategies and techniques for the oil & gas industry -

Remedierea solurilor contaminate - metode de investigare si gestionare pe baza riscurilor
- strategii si tehnici pentru industria de petrol si gaze naturale -



PROPOSED AGENDA / AGENDA PROPUSA

Day 1 - 25 March 2009

Ziua I – 25 martie 2009

15.00 – 15.30 Registration and Welcome Coffee
Inregistrarea participantilor si cafeaua de bun venit

15.30 – 15.45 Official Opening of the Conference
Deschiderea oficiala a Conferintei

- ▶ **Welcome Speech - Purpose of the Conference**
Cuvant introductiv privind scopul conferintei
Gerald ANTES – Director, PETROM E&P – Environmental Engineering Department

15.45 – 17.00 Session I / Sesiunea I
Romanian and EU Regulations. PETROM E&P Strategy
Legislatia Uniunii Europene si a Romaniei. Strategia PETROM E&P

Moderated by Prof. Univ. Dr. Eng. Ioan BICA - Dean of Hydrotechnics Faculty, Technical University of Civil Engineering – Bucharest (UTCB)

- ▶ **Romanian Regulation of Contaminated Sites: Investigation and Remediation**
Legislatia romaneasca privind siturile contaminate: investigare si remediere
Teodor SILEAM – Chief of Soil and Subsoil Protection Department - Direction for Nature Conservation, Biodiversity, Soil and Subsoil Protection, National Environmental Protection Agency (ANPM)
- ▶ **EU Regulation regarding Investigation and Remediation of Contaminated Site & NICOLE Involvement**
Legislatia UE privind investigarea si remedierea siturilor contaminate & implicarea NICOLE
Daniela Ioana FLOREA - Authorities Liaison Officer, PETROM E&P - Environmental Engineering Department
Prof. Univ. Dr. Eng. **Ioan BICA** - Dean of Hydrotechnics Faculty, Technical University of Civil Engineering – Bucharest (UTCB)
- ▶ **PETROM E&P Strategy for Contaminated Site Management**
Strategia PETROM privind gestiunea siturilor contaminate
Valentin IORDACHE - Head of Waste Management, PETROM E&P – Environmental Engineering Department

17.00 – 17.30 Discussions and Closure of Day I
Discutii si inchiderea primei zile a Conferintei

19.00 Dinner / Cocktail

08.30 – 09.30 Breakfast / Mic dejun**09:30 – 11.00 Session II / Sesiunea a II-a****Investigation and Risk Assessment for Contaminated Sites by Oil & Gas Industry****Investigarea si evaluarea riscului pentru siturile contaminate din industria de petrol si gaze naturale**

Moderated by Daniela Ioana FLOREA - Authorities Liaison Officer, PETROM E&P – Environmental Engineering Department

- ▶ ***A Risk Based Methodology in Compliance with EU Contaminated Land Directives***
Metodologia bazata pe risc in conformitate cu Directivele UE privind zonele contaminate
Mirela RADU – Deputy General Manager, Synecs Consulting
- ▶ ***Investigation Strategies for Risk-based Remediation***
Strategii de investigare pentru remedierea solurilor contaminate pe baza evaluarii riscurilor
Walter HEINZ – Partner, ERM Environmental Resources Management
- ▶ ***F&R INVESTIGATION focused on drilling, sampling, sampling grids, groundwater monitoring wells and pump tests***
Investigarea F&R privind forarea, prelevarea probelor, matricea de investigare, sondele de monitorizare a apei freatic si testele de pompare
Representative of F&R
- ▶ ***Direct Push Method for Contaminated Sites Investigation***
Metoda Direct Push pentru investigarea siturilor contaminate
Eugeniu MARTAC – Geophysicist, Manager Romania Operations, geo-log GmbH

11.00 – 11.30 Discussion / Discutii**11.30 – 12.00 Coffee Break / Pauza de cafea****12.00 – 13.30 Session II / Sesiunea a II-a****Investigation and Risk Assessment for Contaminated Sites by Oil & Gas Industry (continuation)****Investigarea si evaluarea riscului pentru siturile contaminate din industria de petrol si gaze naturale (continuare)**

Moderated by Valentin IORDACHE - Head of Waste Management, PETROM E&P – Environmental Engineering Department

- ▶ ***Groundwater Modelling as a Risk Assessment Tool***
Modelarea apei subterane – instrument de evaluare a riscului
Monica PANDELE - Consultant, ERM Environmental Resources Management
- ▶ ***Possibilities and limitations of DC-geolectrical methods for investigation of contaminated soil and groundwater***
Posibilitati si limite ale metodelor geoelectrice DC pentru investigarea siturilor contaminate
Markus HIRSCH - Department Groundwater Remediation, Helmholtz Centre for Environmental Research - UFZ
- ▶ ***Oil Contaminated Sites Identifying and Setting out by Application of Geoelectric Research through Resistivity Method***
Aplicabilitatea cercetarii geoelectrice prin metoda rezistivitatii la identificarea si delimitarea zonelor contaminate cu produse petroliere
Teodor SILEAM – Chief of Soil and Subsoil Protection Department - Direction for Nature Conservation, Biodiversity, Soil and Subsoil Protection, National Environmental Protection Agency (ANPM)

13.30 – 14.00 Discussion / Discutii

14:00 – 15:00 Business Lunch / Pranz de afaceri

15:00 – 16.30 Session II / Sesiunea a II-a

Investigation and Risk Assessment for Contaminated Sites by Oil & Gas Industry (continuation)

Investigarea si evaluarea riscului pentru siturile contaminate din industria de petrol si gaze naturale (continuare)

Moderated by Teodor SILEAM – Chief of Soil and Subsoil Protection Department - Direction for Nature Conservation, Biodiversity, Soil and Subsoil Protection, National Environmental Protection Agency (ANPM)

- ▶ ***The Presentation of Large Datasets using GIS and its Application in Site Conceptualisation***

Prezentarea seturilor largi de date folosind GIS si aplicabilitatea lor in conceptualizarea siturilor

Martin PERKINS, Halcrow

- ▶ ***Difficulties, uncertainties and limits in establishing groundwater remediation levels***

Dificultati, incertitudini si limite in stabilirea nivelelor de remediere a apei subterane

Prof. Univ. Dr. Eng. Ioan BICA - Dean of Hydrotechnics Faculty, Technical University of Civil Engineering – Bucharest (UTCB)

- ▶ ***Natural Attenuation of Hydrocarbons***

Atenuarea naturala a hidrocarburilor

Markus Hutter – IMU Laboratories

16.30 - 17.00 Discussion and Closure of Day II

Discutii si inchiderea celei de-a doua zi a Conferintei

19.00 Gala Dinner / Cina festiva

Day 3 - 27 March 2009

Ziua a III-a – 27 martie 2009

09.30 – 10.00 Breakfast / Mic dejun

10.00 – 11.30 Session III / Sesiunea a III-a

Remediation of Contaminated Sites

Remedierea siturilor contaminate

Moderated by Gerald ANTES - Director, PETROM E&P – Environmental Engineering Department

- ▶ ***In situ Remediation of Hydrocarbons***

Remedierea in situ a hidrocarburilor

Alfred FRITSCH - INTERGEO Umwelttechnologie und Abfallwirtschaft GmbH

- ▶ ***MNA of Crude Oil Contamination - Case Study OMV***

Monitorizarea atenuarii naturale a contaminarii cu titei - studiu de caz OMV

Janek SIWCZYK

- ▶ ***Dekonta Oil Spill Response***

Dekonta - interventie in caz de poluari accidentale

Ioana GRECU – Branch Manager, Dekonta

- ▶ ***PETROM CITY – Project for Demolition and Decontamination of the Ex- bulk Plant (Big Oil Storehouse)***

PETROM CITY - Proiect de demolare si decontaminare a unui fost depozit de produse petroliere (de mare capacitate)

Bernhard VOLZ – Project Manager, ZÜBLIN Umwelttechnik GmbH

11.30 – 12.00 Discussions, Conclusions and Conference's Closure

Discutii, concluzii si inchiderea Conferintei

12.30 – 13.30 Business Lunch / Pranz de afaceri