



Meeting of Topics Network 5 (TN5) "Rüstungsaltslasten"

"Microbial Investigations on the Degradation of MNT in Samples of Contaminated Sites of Stadtallendorf": Results of Research of Partners TN 5

Date: 05.06.2007

Location: Federal Research Centre for Agriculture and Forestry
[Biologische Bundesanstalt für Land- und Forstwirtschaft (BBA)]
Königin Luise Str. 19, 14195 Berlin;
Haus B, Raum 103

9:00 Introduction

Annette Joos, IABG Berlin, Coordinator TN5

Uwe Wittmann, Project Agency Jülich

*Prof. Dr. Christoph Reichmuth,
Director and Professor, Head of Institute for Stored Product Protection
Deputy President of the Federal Biological Research Centre for Agriculture and
Forestry (BBA) in Berlin*

*Prof. Dr. Carmen Büttner,
Head of the Section Phytomedicine, Faculty of Agriculture and Horticulture at the
Humboldt University Berlin*

Moderator: Annette Joos, Prof. Dr. Hans-Joachim Knackmuss

9:30 **"Geological, hydrogeological and contamination situation of the site Kleinniederung; opportunities of stimulation of MNT-degradation; fieldtests (20 min)**

Ulrich Lieser, Axel Meßling, ahv Aachen

10:00 **"Parameter estimation of natural biodegradation processes (of nitroaromatic compounds) exemplified by the site Kleinniederung" (15min)**

Dr. Simone Tränckner, GFI Dresden

10:25 Coffee break

10:35 **"Limitations for biodegradation of MNT in highly contaminated groundwater from the former munition site Elsnig" (10min)**

Anne Lieber, DGFZ Dresden

10:55 **"Characterization of polar pollutants in groundwater samples of a MNT-contaminated waste site in Stadtallendorf - identification of unexpected**



metabolites" (10 min)

Dr. Alfred Preiß, Fh ITEM (Fraunhofer Institute for Toxicology and Experimental Medicine)

11:20 **"Experiments at the Fraunhofer-IME concerning plant uptake, degradability and ecotoxicity of MNT" (15 min)**

Dr. Kerstin Hund-Rinke, Fh IME (Fraunhofer Institute for Molecular Biology and Applied Ecology)

12:00 Lunch break and Opportunity of Visitation of the BBA-Institute for Ecotoxicology and Ecological Chemistry in Plant Protection

Dr. Detlef Schenke, Head of the Institute

Moderator: Prof. Dr. Hans-Joachim Knackmuss

13:30 **"Microbiological and photochemical products of TNT" (10 min)**

Dr. Klaus Steinbach, University Marburg, Faculty of Chemistry

13:55 **"Uptake and distribution of ¹⁴C-TNT in coniferous plants" (20 min)**

Dr. Bernd Schönmath, Humboldt University, Section Phytomedicine

14:30 **"Results of investigations on the degradation of MNT in samples of contaminated site Kleinniederung"**

Prof. Dr. Jim Spain, Georgia Institute of Technology

15:00 discussion

16:00 opportunity for contacts and conversations with open end

After each presentation will be opportunity for questions and discussion