

TAILSAFE - Sustainable Improvement in Safety of Tailings Facilities

List of Publications

BÁNIK, J., CSÖVÁRI, M., ÉBERFALVI, J., CSICSÁK, J. & FÖLDING, G. (2005): Water treatment issues at the former uranium mining site. - International Symposium on Uranium Production and Raw Materials for the Nuclear Fuel Cycle, June 20-24, 2005, Vienna, Austria.

BENKOVICS I., CSÖVÁRI, M., BERTA, ZS. & CSICSÁK, J. (2003): Experiences gained during the remediation of the mill tailings of the Hungarian uranium industry. - In: Proceedings of the XIIIth European Conference on Soil Mechanics and Geotechnical Engineering, Prague, August 25-28, 2003, Prague, Czech Republic, p. 161.

BIRCH, W.J., DIXON-HARDY, D.W. & ENGELS, J.M. (2006): Tailings Management Facility Topography Modelling to Identify Flow Accumulations and Pond Geometry. - Transactions of the Institution of Mining and Metallurgy, Section A, Mining Industry, **115** (2), 65-74.

BÖHM, J., DEBRECZENI, Á., FAITLI, J. & GOMBKÖTÖ, I. (2005): Hydraulic Transport of Pastes. - X. Ungarisch-Deutsches Verfahrenstechnik-Seminar, July 12-14, 2005, Miskolc, Hungary.

BÖHM, J., DEBRECZENI, Á., FAITLI, J. & GOMBKÖTÖ, I. (2005): Paste transport experiments in the University of Miskolc for improving of safety of tailings facilities. - 10th Geotechnics Conference (V4), October 20, 2005, Ráckeve, Hungary.

BÖHM, J., DEBRECZENI, Á., FAITLI, J. & GOMBKÖTÖ, I. & MEGGYES, T. (2006): High concentration hydraulic transport of tailings. - Materials Congress 2006, April 5-7, 2006, London, England, UK.

BÖHM, J., FAITLI, J., DEBRECZENI, Á. & GOMBKÖTÖ, I. (2006): Safety and health, tailings management questions. - Proc. 8th International Continuous Surface Mining Symposium ISCSM, September 24-27, 2006, Aachen, Germany.

BRINK, A., BEHRENS, M., KRUSCHWITZ, S. & NIEDERLEITHINGER, E. (2004): Geotechnical investigation of tailings dams with non-destructive testing methods. - GREEN 4 "Geotechnics Related to the Environment", June 28 - July 1, 2004, Wolverhampton, UK.

CSÖVÁRI, M., BERTA, ZS., CSICSÁK, J., FÖLDING, G. & VÁRHEGYI, A. (2005): Treatment of an uranium mining site. - In: LENS, P., GROTHUIS, T., MALINA, G. & TABAK, H. (eds.), Soil and Sediment Remediation, IWA Publishing, London, Seattle.

DEBRECZENI, Á. & GOMBKÖTÖ, I. (2005): Role of paste technology in improvement of safety of tailings facilities. - 7th Mining-Metallurgy-Geology Conference, March 31 - April 3, 2005, Oradea, Romania.

DEBRECZENI, Á. & GOMBKÖTÖ, I. (2005): Role of Paste - Technology in Improvement of Safety of Tailings Facilities. - X. Ungarisch-Deutsches Verfahrenstechnik-Seminar, July 12-14, 2005, Miskolc, Hungary.

DIXON-HARDY, D.W. & ENGELS, J.M. (2006): Handling your tailings. - Mining Magazine, **194** (4), 33-38.

DIXON-HARDY, D.W. & ENGELS, J.M. (2007): Guidelines and Recommendations for the Safe Operation of Tailings Management Facilities. - Environmental Engineering Science, **24** (5), 14-26.

ENGELS, J. & DIXON-HARDY, D. (2004): Tailings disposal - Managing increasing higher volumes of waste from mines. - 7th International Symposium on Environmental Geotechnology and Global Sustainable Development, June 8-10, 2004, Helsinki and Espoo, Finland.

ENGELS, J. & DIXON-HARDY, D. (2004): Tailings impoundments - A growing environmental concern. - GREEN 4 "Geotechnics Related to the Environment", June 28 - July 1, 2004, Wolverhampton, UK.

ENGELS, J. & DIXON-HARDY, D. (2004): Tailings disposal - Today's storage of high volumes of waste from mines. - JKMR International Student Conference, 6-7 September, 2004, Brisbane, Australia.

ENGELS J.M., DIXON-HARDY, D.W. & BIRCH, W.J. (2006): Thickened and Paste Tailings Facilities - Measuring the Surface Geometry. - InfoMine, 2006.

ENGELS, J., DIXON-HARDY, D., KREFT-BURMAN, K. & McDONALD, C. (2006): Parameter framework - a risk management tool to improve the safety of tailings facilities. - Materials Congress 2006, April 5-7, 2006, London, England, UK.

FAITLI, J. & GOMBKÖTÖ, I. (2005): Flow properties of fine suspensions at high concentrations. - MicroCAD 2005 Int. Scientific Conf., March 10-11, 2005, University of Miskolc.

FRILANDER, R., KREFT-BURMAN, K. & SAARELA, J. (2004): Legal aspects of tailings dam safety - introduction to some of the results of the TAILSAFE project. - 7th International Symposium on Environmental Geotechnology and Global Sustainable Development, June 8-10, 2004, Helsinki and Espoo, Finland.

FRILANDER, R., KREFT-BURMAN, K. & SAARELA, J. (2004): Some legal aspects of tailings dams safety - existing authorisation, management, monitoring and inspection practices - the hitherto results of the TAILSAFE project. - GREEN 4 "Geotechnics Related to the Environment", June 28 - July 1, 2004, Wolverhampton, UK.

FRILANDER, R., KREFT-BURMAN, K. & SAARELA, J. (2004): Legal aspects of tailings dams safety. Introduction to some of the results of the TAILSAFE project. - Proc. 1st Iranian-Finnish Environment Symposium, December 5-8, 2004, Teheran, Iran, pp. 106-117; SYKE, Helsinki.

FRILANDER, R., KREFT-BURMAN, K. & SAARELA, J. (2004): Legal aspects of tailings dams safety. Introduction to some of the results of the TAILSAFE project. - Proc. 3rd Finnish-Russian Landfill and Waste Management Workshop, December 13-16, 2004, SYKE, Helsinki, Finland, pp. 60-71.

GOMBKÖTÖ, I. & FAITLI, J. (2006): Whether Paste Is A State Of The Material? - Universitaria SIMPRO, October 13-14, 2006, Petrosani, Romania.

KREFT-BURMAN, K., SAARELA, J. & DIXON-HARDY, D. (2004): Legal aspects of tailings dam safety. Case studies: Finland and United Kingdom. - International Conference on Sustainable Post-Industrial Land Management (SPILM), November; 4-6, 2004, Krakow, Poland.

- KREFT-BURMAN, K., SAARELA, J., DIXON-HARDY, D. & ENGELS, J. (2006): Legal aspects of tailings dams safety - current situation and future trends. - Materials Congress 2006, April 5-7, 2006, London, England, UK.
- KRUSCHWITZ, S. & NIEDERLEITHINGER, E. (2004): Mehrkanalige SIP - erste Erfahrungen. - 64th Annual Meeting of the German Geophysical Society (DGG), March 8-12, Berlin, Germany. (in German)
- KRUSCHWITZ, S., NIEDERLEITHINGER, E., BEHRENS, M. & MITTAG, K. (2005): Zerstörungsfreie Strukturuntersuchung von Spülhaldendämmen mittels SIP. - 65th Annual Meeting of the German Geophysical Society (DGG), February 21-25, Graz, Austria. (in German)
- MEGGYES, T. (2001): Aspekte der Dammintegrität bei Sedimentationsbecken. - In: SCHETELIG, K. (ed.): Arbeitsfelder der Geotechnik. Mitteilungen zur Ingenieurgeologie und Hydrogeologie, RWTH Aachen, 79, 47-56. (in German)
- MEGGYES, T. (2003): Tailings Management using Paste Technology. - Presentation at the Department of Civil and Materials Engineering, University of Illinois at Chicago, October 17, 2003, Chicago, USA.
- MEGGYES, T. & DEBRECZENI, Á. (2004): Novel solutions in tailings management. - GREEN 4 "Geotechnics Related to the Environment", June 28 - July 1, 2004, Wolverhampton, UK.
- MEGGYES, T. & DEBRECZENI, Á. (2004): Neue Wege in der Behandlung von Trübefeststoffen. - 11. Braunschweiger Deponie- und Dichtwandseminar, Mitteilungen des Instituts für Grundbau und Bodenmechanik. Technische Universität Braunschweig, 74, 43-63. - (in German)
- Meggyes, T. & Debreczeni, Á. (2006): Paste technology for tailings management. - Land Contamination & Reclamation, 14 (4), 49-61.
- MEGGYES, T., DEBRECZENI, Á., FAITLI, J. & GOMBKÖTÖ, I. (2004): Fluid mechanical investigation of paste materials in tailings disposal. - Presentation at the Department of Civil and Materials Engineering, University of Illinois at Chicago, December 1, 2004, Chicago, USA.
- MEGGYES, T., ROEHL, K.E. & DIXON-HARDY, D. (eds., in prep.): Tailings Management Facilities – A State-of-the-Art Report. - EPP Publications Ltd.
- MEGGYES, T., McDONALD, C., ROEHL, K. E., WITT, K. J., DEBRECZENI, Á. & NIEDERLEITHINGER, E. (2003): Reducing the risk for tailings facilities. - ConSoil 2003, 8th Int. FZK/TNO Conf. on Contaminated Soil, Gent, Belgium, CD Proceedings, Theme E, 3239-3247.
- MEGGYES, T. & NIEDERLEITHINGER, E. (2002): Improving the safety of tailings ponds and dams. - In: Bányászat és Geotechnika. A Miskolci Egyetem Közleménye. A sorozat, Bányászat, 62. kötet (Bergbau und Geotechnik. Veröffentlichung der Universität Miskolc. Serie A, Bergbau, Band 62), Egyetemi Kiadó, Miskolc, 2002.
- MEGGYES, T., NIEDERLEITHINGER, E., WITT, K.J., CSÖVÁRI, M., KREFT-BURMAN, K., ENGELS, J., McDONALD, C. & ROEHL, K.E. (2005): Enhancing the safety of tailings management facilities. - International Conference on Energy, Environment and Disasters (INCEED), July 24-30, 2005, Charlotte, USA.
- MEGGYES, T., WITT K.J., ROEHL K.E., McDONALD C. & DEBRECZENI, Á. (2002): Risk Reduction for Tailings Facilities. - Presentation at the Department of Civil and Materials Engineering, University of Illinois at Chicago, April 26, 2002, Chicago, USA.

- MYLONA, E., XENIDIS, A., PASPALIARIS, I., CSÖVÁRI, M. & NÉMETH, G. (2006): Application of dry covers for the closure of tailings facilities. - Materials Congress 2006, April 5-7, 2006, London, England, UK.
- NIEDERLEITHINGER, E., BRINK, A., McDONALD, C., MEGGYES, T., ROEHL, K.E. & WITT, K.J. (2003): TAILS SAFE: Investigation and improvement of tailings facilities. - In: DGZfP (Ed.), International Symposium Non-Destructive Testing in Civil Engineering (NDT-CE), Berlin, Germany, September 16-19, 2003, Proceedings on BB 85-CD; Berlin.
- NIEDERLEITHINGER, E. & KRUSCHWITZ, S. (2005): Multi-channel Spectral Induced Polarization (SIP) measurements on tailings dams. - EAGE Near Surface Conference, September 5-8, 2005, Palermo, Italy.
- NIEDERLEITHINGER, E., KRUSCHWITZ, S. & BEHRENS, M. (2005): Spectral Induced Polarization (SIP) measurements for stability assessment of tailings dams. - Proc. Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), April 3-7, 2005, Atlanta, Georgia.
- NIEDERLEITHINGER, E., KRUSCHWITZ, S., BEHRENS, M. & BRINK, A. (2004): Multichannel Spectral Induced Polarization (SIP) - Application to geotechnics and construction materials. - EAGE Near Surface Conference, September 6-9, 2004, Utrecht, The Netherlands.
- NIEDERLEITHINGER, E., KRUSCHWITZ, S., MARTIN, T., TRELA, C., BERTA, Z. & PROHANY, Z. (2006): Geophysical methods for the investigation of tailings sites. - Materials Congress 2006, April 5-7, 2006, London, England, UK.
- NIEDERLEITHINGER, E., MEGGYES, T., McDONALD, C., ROEHL, K. E., WITT, K. J. & DEBRECZENI, A. (2003): TAILS SAFE: Investigation and improvement of tailings facilities. - In: Proceedings of the XIIIth European Conference on Soil Mechanics and Geotechnical Engineering, Prague, August 25-28, 2003, Prague, Czech Republic, pp. 179-182.
- RIDDLER, G. (2002): TAILS SAFE - sustainable improvement in the safety of tailings facilities. - MIRO News 15 (2), September/October 2002 Edition, 6; Leeds.
- RIDDLER, G. (2002): Sustainable tailings management. - Mining Journal, October 25, 2002, 293; London.
- RIDDLER, G. (2003): TAILS SAFE Project kicks off in Leeds. - MIRO News, February 2003; Leeds.
- ROEHL, K. E., McDONALD, C. & MEGGYES, T. (2003): TAILS SAFE (Sustainable Improvement of Tailings Facilities) started. - Land Contamination and Reclamation, **11** (1): 69-70.
- ROEHL, K.E., CZURDA, K., MEGGYES, T. & McDONALD, C. (2006): Sustainable improvement in safety of tailings facilities. – Keynote Lecture, Materials Congress 2006, April 5-7, 2006, London, England, UK.
- SAARELA, J. (2004): European legislation directed at tailings dam safety. - Presentation at Tailings & Mine Waste '04, October 11-13, 2004, Vail, Colorado, USA.
- SAARELA, J. & KREFT-BURMAN, K. (2005): An overview of the TAILS SAFE project and some of its results. - Proc. 1st Meeting of the Environmental Co-symposium Japan and Finland, November 11, 2005, Tokyo, Japan, 8 p. - (in Japanese and English)

SCHÖNHARDT, M. & WITT, K.J. (2003): Adaptive ground modelling in geotechnical engineering. - In: NATAU, O., FECKER, E. & PIMENTEL, E. (eds.), Geotechnical Measurements and Modelling; A.A. Balkema.

SCHÖNHARDT, M. & WITT, K.J. (2005a): Geostatistische Methoden und deren Anwendungsgrenzen bei der Abbildung anisotroper ingenieurgeologischer Eigenschaften. - Proc. 15. Tagung für Ingenieurgeologie, April 6-8, 2005, Erlangen, 389-395. - (in German)

SCHÖNHARDT, M. & WITT, K.J. (2005b): Limits of geostatistics in modelling of spatial anisotropy on the basis of uncertain data. - 4. Sächsisches GIS-Forum, May 12-13, 2005, Innovation Grenzüberschreitendes Netzwerk e.V., Dresden.

SCHÖNHARDT, M. & WITT, K.J. (2006): Simulation and modelling strategies for reliability analysis of tailings dams. - Materials Congress 2006, April 5-7, 2006, London, England, UK.

STEWART, D.I., CHARLES-CRUZ, C.A. & COUSENS, T.W. (2006): Stability and Settlement Characteristics of Hydraulically Placed Mine Tailings and Power Station Fly Ash. – Proc. 5th International Congress on Environmental Geotechnics, June 26-30, 2006, Cardiff, UK, 966-975.

STEWART, D.I., COUSENS, T.W. & CHARLES-CRUZ, C.A. (2004): The interpretation of CPT data from hydraulically placed PFA. - Geoenvironmental Engineering - Integrated management of groundwater and contaminated land. Thomas Telford, London, 307-318.

STEWART, D.I., COUSENS, T.W. & CHARLES-CRUZ, C.A. (2006): The interpretation of CPT data from hydraulically placed PFA. - Engineering Geology, **85**, 184-196.

TARJAN, I., BÖHM, J., FAITLI, J. & GOMBKÖTÖ, I. (2005): Underground Mine Backfilling with high Concentration Slurries, a Case Study. - X. Ungarisch-Deutsches Verfahrenstechnik-Seminar, July 12-14, 2005, Miskolc, Hungary.

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