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Administrative report of TC7 – Tailings dams

Compte rendu technique de la No. CT 7 – Barrages de stérile miniers

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1 ACTIVITIES IN CONFERENCES.

TC7 has been involved in a number of conferences:

1. International Seminar on "Geotechnics and Management of Mine Residues" held in Mexico City, December 2, 1999. The subject *Closure and abandonment of deposits of mine residues* was presented by Jorge H. Troncoso, Chairman of TC 7, and discussed in the meetings. Several members of TC 7 participated, including Professor N. Morgenstern from Canada, and Professor Vicente Orozco, from México.
2. Panamerican Conference on Soil mechanics and Geotechnical Engineering, Brazil, 1999. The Committee held a work session in Foz de Iguacu, with attendance of members of TC7 and President Ishihara.
3. GeoEng2000. (November 2000). An Issue Lecture was prepared on "Geotechnics of Mining Wastes and Tailings" with the following papers included:
 - i. Failure mechanisms and shear failures of tailings dams under earthquake loadings, J. H. Troncoso, Chairman of TC7.
 - ii. Static liquefaction as the mechanism for flow failures of tailings dams under non-seismic conditions, A.B.Fourie.
 - iii. Rehabilitation and long term environmental protection of tailings dams in humid climates, W. Wolski, TC7 Member (Poland).
 - iv. Rehabilitation and long term environmental protection of tailings dams in arid climate conditions, J. H. Troncoso, Chairman of TC 7.
 - v. The use of mine waste as structural underground support, G. E. Blight, TC 7 Member (South Africa).
4. Seminar on Soil Dynamics, Chile, Idiem, November 2000.
5. Seminar on Thickened Tailings Disposal, Chile, Idiem, January 2001.

2 COLLABORATIONS

There has been collaboration with The International Council on Metals and the Environment in relation with Conferences on *Risk Assessment and Contingency Planning in the Management of Mine Tailings*, held in Argentina, 1998.

3 SEMINARS

Seminars have been organised on *Geotechnical and Environmental Aspects of Tailings Dams Design and Operation* taught by the Chairman, J.H.Troncoso for authorities of Mining and Environmental agencies of Argentina and Chile 1999, 2000, and 2001.

4 GUIDELINES

Guidelines have been prepared on:

- Design of Tailings Dams for Abandonment,
- Rehabilitation of Tailings Dams
- Retrofitting of Tailings Dams Damaged by Earthquakes or by Flooding.

5 INTERNATIONAL CONFERENCES

The International Conference on *Thickened Tailings and Pastes Disposal Systems*, has been organised to be held in Chile, 2002.

6 SUMMARY

There are many events in which TC7 has been active and it is recommended that the Committee continues to operate.