



Federal Ministry for the
Environment, Nature Conservation,
Building and Nuclear Safety



International project “Raising Knowledge among Students and Teachers on Tailings Safety and its Legislative Review in Ukraine*“

PROGRAM (draft) FINAL WORKSHOP

**May 16-18, 2017
Dnipro, Ukraine**

Venue: National Mining University, D. Yavornitsky Av., 19

I. Workshop objectives are to present:

1) education project component

- the results of two trainings held according to Training course developed for students and teachers of universities to raise their knowledge in TMF safety issues by applying TMF Checklist
- e-learning course on TMF safety developed based on Training course on Moodle Platform of National Mining University

2) legislative project component

- report on Analysis of Ukrainian legislation compliance with the requirements of EU law and Roadmap of its implementation in the context of improving TMFs safety (Directive 2006/21/EC, SEVESO-III Directive and TMF Safety Guidelines)
- the results of Round table on implementation of the EU law on TMF issues in Ukrainian legislation held in Kyiv by EcoPlatform and Ministry of Ecology and Natural Resources of Ukraine

3) proposals on project follow up activities

- proposals and recommendations on improving the Methodology for Comprehensive Evaluation of Tailings Management Facilities Safety
- Project's recommendations to the UNECE Joint Expert Group
- proposals on follow up activities

* This project is funded by the German Federal Environment Ministry's Advisory Assistance Programme (AAP) for environmental protection in the countries of Central and Eastern Europe, the Caucasus and Central Asia and other countries neighbouring the European Union. It is supervised by the German Environment Agency (UBA).

II. Meeting timetable

1st day, May 16, 2017

Official opening Chairman: Mr. Dmytro Rudakov	
10:00 – 10:10	Acad. Gennady Pivnyak, Rector of National Mining University – Opening speech
10:10 – 10:20	Mr. Peter Kovacs, Chair of the Bureau of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes – Welcome statement
10:20 – 10:30	Welcoming remarks by representatives of Competent authorities: <ul style="list-style-type: none">- Ministry of Ecology and Natural Resources of Ukraine- Ministry of Education and Science of Ukraine
1. Project background Chairman: Mr. Peter Kovacs	
10:30 – 10:45	Mr. Gerhard Winkelmann-Oei – German Environment Agency (UBA)
10:45 – 11:05	Mr. Grygorii Shmatkov – The relevance of industrial waste large storage facilities problem for Ukraine
11:05 – 11:20	Ms. Iryna Nikolaieva – Project history and products
11:20 – 11:30	Group photo of Final Workshop participants
11:30 – 12:00	Coffee Break
2. TMF legislative issues in Ukraine Chairman – Ms. Iryna Nikolaieva	
12:00 – 12:15	Ms. Claudia Kamke – Tailings safety as an area of work under the UNECE Convention on the Transboundary Effects of Industrial Accidents
12:15 – 12:30	Representative of the Ministry of Ecology and Natural Resources of Ukraine – National waste management strategy – section Industrial waste
12:30 – 12:45	Ms. Tetiana Omelyanenko – Roadmap to implement the EU law in the context of improving TMFs safety in Ukraine
12:45 – 13:00	Ms. Iryna Nikolaieva – The results of Round table on implementation of the EU law on TMF issues in Ukrainian legislation held in Kyiv
13:00 – 14:00	Lunch
3. Training course for students and teachers of the universities Chairman – Mr. Grygorii Shmatkov	
14:00 – 14:10	Mr. Dmytro Rudakov – Overview of Training course on TMF safety held at National Mining University (2 trainings)

14:10 – 14:20	Ms. Tetyana Zavgorodnya – Summary of practical part of trainings held at Prydniprovsk TPP of PJSC DTEK Dniproenergo
14:20 – 14:30	Ms. Kateryna Okhotnyk – Knowledge assessment Tests - evaluation results of training materials learned
14:30 – 15:30	Teams of trainees from universities – Evaluation of TMF safety level of Prydniprovsk TPP based on TMF Checklist (4 presentations)
15:30 – 16:00	Coffee Break
16:00 – 16:30	Tutors of universities – Development and implementation of the Education module on TMF safety in university's curricula based on the project products: e-learning TMF education course, Methodology for Comprehensive Evaluation of Tailings Management Facilities Safety, training materials
16:30 – 16:45	Mr. Dmytro Rudakov, Ms. Iryna Nikolaieva – Evaluation of proposals submitted by participants to improve the Methodology for Comprehensive Evaluation of Tailings Management Facilities Safety
16:45 – 17:00	Discussion and closing remarks

2nd day, May 17, 2017

4. Education course on TMFs safety Chairman – Ms. Sonja Otto	
10:00 – 10:15	Mr. Dmytro Rudakov – Modern IT tools applied in educational process of Universities
10:15 – 10:30	Ms. Kateryna Okhotnyk – Presentation of the e-learning education course on tailings safety developed in the TMF project
10:30 – 11:30	Teams of trainees from universities – Results of participation in Project Training course; lessons learned, feedbacks and proposals (4 presentations)
11:30 – 12:00	Coffee Break
5. Proposals on follow up activities Chairman – Mr. Gerhard Winkelmann-Oei	
12:00 – 12:10	Ms. Sonja Otto – Advisory Assistance Programme of the Federal Ministry for the Environment (BMUB)
12:10 – 12:20	Ms. Iryna Nikolaieva – Project's recommendations for the UNECE Joint Expert Group; proposals on follow up activities in Ukraine
12:20 – 12:30	Mr. Dmytro Rudakov – Proposals for implementing Education course on TMF safety in Ukrainian universities' curricula
12:30 – 12:45	Discussion
12:45 – 13:00	Coffee Break

6. Certificate award ceremony Chairman – Mr. Grygorii Shmatkov	
13:00 – 13:45	Awarding the trainees and tutors with certificates of successful completion of the training course
13:45 – 14:00	Summary of the workshop, closing remarks
16:00 – 19:00	Banquet (open air)

3rd day, May 18, 2017

Meeting of the UNECE Joint Expert Group	
First session 09:30 –11:00	
1. Opening of the meeting	
<ul style="list-style-type: none"> - Opening of the meeting by Mr. Gerhard Winkelmann-Oei (Germany) and Mr. Peter Kovacs (Hungary), co-Chairs of the Joint Expert Group on Water and Industrial Accidents (JEG) 	
2. Evaluation of the project on tailings safety in Ukraine	
<ul style="list-style-type: none"> - Mr. Winkelmann-Oei will present the conclusions from the final workshop of the project on tailings safety in Ukraine (Dnipro, Ukraine, 16-17 May 2017) - JEG members will be invited to discuss the workshop conclusions and JEG's possible role in supporting their implementation 	
3. Possible follow-up projects on tailings safety in the UNECE region	
<ul style="list-style-type: none"> - Mr. Winkelmann-Oei will provide further information regarding possible follow-up projects on tailings safety, among others in Georgia, Romania and Serbia - JEG members will be invited to provide comments and discuss their possible involvement 	
4. National database on TMFs in JEG countries	
<ul style="list-style-type: none"> - JEG members from Kyrgyzstan and Serbia will be invited to report on their progress made with preparing a list of tailings management facilities in their countries - Other JEG members, e.g. from Belarus, will be invited to report back on the existence of national databases on tailings facilities - Based on the updates provided, JEG members will be invited to agree on the next steps 	
Coffee Break 11:00 – 11:30	

Second session 11:30 –13:00

5. Development of guidance on fire water retention in 2017–2018

- Mr. Winkelmann-Oei, supported by the secretariat, will provide an update on the work done to date regarding the development of guidance on fire-water retention, including an overview of the experts, planned meetings in 2017 and next steps
- JEG members may wish to discuss the planning, draft guidance and their involvement

6. Transboundary exercises in 2017-2018

- Mr. Winkelmann-Oei, supported by the secretariat, will provide an update on the preparations for the German-Polish exercise (4 September 2017), including the back-to-back international workshop (5 September 2017) in Slubice, Poland
- Mr. Kovacs will provide an update on the preparations for the transboundary exercise on the Danube River, led by Hungary and planned for 2018

7. Further activities by JEG and next meeting date

- JEG members may wish to discuss further activities to be supported, including in the light of the Group's 20 anniversary in 2018
- JEG members may wish to discuss and agree on the date and venue of the next JEG meeting

8. Any other business

- Participants may wish to discuss further issues, including the holding of the next JEG meeting and possible future projects in South-Eastern Europe or Central Asia with JEG support

9. Closing of the meeting

- Co-Chairs will summarize the decisions taken and close the meeting

III. List of printed documents

1. Methodology for Comprehensive Evaluation of Tailings Management Facilities Safety
2. Summary on Project results, 2016-2017
3. Feedback form (Form FF-01)

IV. Training participants

Project coordinator

Mr. Gerhard Winkelmann-Oei – German Environment Agency (UBA), Germany

Ms. Sonja Otto – German Environment Agency (UBA), Germany

Project supporter

Mr. Peter Kovacs – United Nations Economic Commission for Europe, Chair of the Bureau of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes; Deputy State Secretary for Water, Ministry of Rural Development Hungary

Ms. Claudia Kamke – United Nations Economic Commission for Europe, Convention on the Transboundary Effects of Industrial Accidents, Associate Environmental Affairs Officer, Switzerland

Host University

Mr. Gennady Pivnyak, Rector of National Mining University, Academician of the National Academy of Science of Ukraine

Mr. Roman Dychkovskyy – National Mining University, Head of Research Department of NMU, Professor

International experts

Mr. Adam Kovacs – Dr. Technical Expert on Pollution Control, ICPDR Secretariat, Austria

Mr. Medetbek Omurbekov – Senior Inspector, State Inspection on Environmental and Industrial Safety Department of control over rational use and protection of subsoil, Kyrgyz Republic

Mr. Dušan Kostić – The Jaroslav Černi Institute for the Development of Water Resources, researcher, Republic of Serbia

Ms. Lubov Hertman – Institute for Complex Use of Water Resources, Researcher of the Water Monitoring and Cadastre Department, Belarus;

The list will be updated after participants confirmed

Ukrainian representatives of competent authorities

Mr. Mykola Tarasiuk – State ecological inspection of Ukraine, Chief Specialist of the Section of State Environmental Supervision (Control) on waste management and hazardous chemicals, Department of State Environmental Supervision (Control), State Environmental Protection Inspector of Ukraine;

Ministry of Ecology and Natural Resources of Ukraine

Ministry of Education and Science of Ukraine

State Emergency Service of Ukraine

The list will be updated after participants confirmed

Representatives of industrial enterprises

Ms. Tetyana Zavgorodnya – DTEK, Environmental Safety Department manager

Representative of Prydniprovskya Thermal Power Plant of PJSC DTEK Dniproenergo

Ukrainian project team

Mr. Dmytro Rudakov – Project director, National Mining University of Ukraine, Head of the Department of Hydrogeology and Engineering Geology, Professor

Ms. Iryna Nikolaieva – Project manager, Trainer, Lead environmental auditor, Head of EcoPlatform LLC

Mr. Grygorii Shmatkov – Trainer, key Methodology developer, Director of the Centre of Environment audit and Clean Technologies LLC, Professor

Ms. Tetiana Omelyanenko – Lawyer (key expert) on competent authorities' strategy, Institute of environmental economics and sustainable development of National Academy of Sciences of Ukraine, PhD

Ms. Kateryna Okhotnyk – Trainer, course developer, specialist in environmental protection and ecological safety, PhD

Ms. Hanna Zadnypriana – Project manager assistant, specialist in Environmental Engineering

Tutors

Mr. Oleksandr Kovrov – National Mining University, Ecology Department of NMU, Professor of Dept. of Ecology, PhD

Ms. Tetyana Yakovishina – Prydniprovsk State Academy of Civil Engineering and Architecture, Associate Professor of Dept. Ecology and Environment Protection, PhD

Mr. Sergey Kravtsov – National Metallurgical Academy of Ukraine, Assistant of Dept. Ecology, Heat Technics and Labour Protection

Mr. Dmytro Pikarenia – Dniprodzerzhinsk State Technical University, Professor of Dept. Ecology and Environment Protection, Doctor of Sciences

Trainees (students) – 20 persons

National Mining University

Prydniprovs'ka State Academy of Civil Engineering and Architecture

National Metallurgical Academy of Ukraine

Dnipropetrovsk State Agrarian and Economic University