



UNECE projects to improve tailings safety and prevent accidental water pollution

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Measures to strengthen the safety of tailings and prevent accidental water pollution in Central Asia in 2021-2023

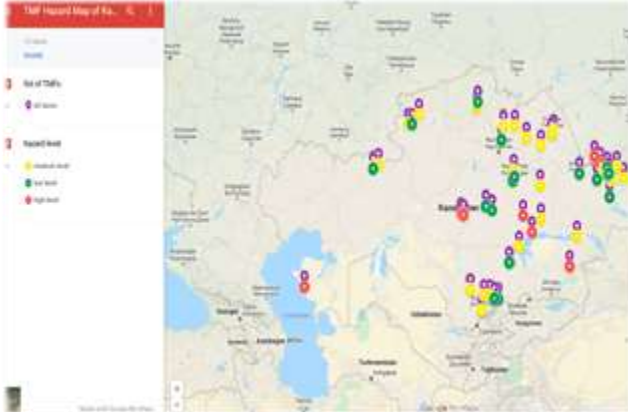


- ✓ [UNECE Project on Enhancing the Safety of Tailings in Kazakhstan\(2019-2021 \)](#)
- ✓ [UNECE Project on Strengthening the Safety of Tailings in Tajikistan \(2019-2021\)](#)
- ✓ [UNECE project to support the countries of Central Asia to improve the safety of tailings \(from 2020\)](#)
- ✓ [Project on National Dialogues on Industrial Safety in Central Asia \(Phase 1: Launch\) \(from 2020\)](#)
- ✓ [Project under the auspices of the German Environmental Protection Agency to improve the safety of tailings in Kyrgyzstan \(2021\)](#)
- ✓ [The project “Development of joint measures for the prevention and response to pollution of the Syr Darya river in emergency situations”\(2021-2023 \)](#)
- ✓ [Project to improve the safety of tailings and prevent accidental water pollution in Uzbekistan and beyond in Central Asia \(2021-2023\)](#)

Raising awareness of tailings hazards and related accident risks

Inventory and mapping of tailings

Interactive map of tailings in Kazakhstan



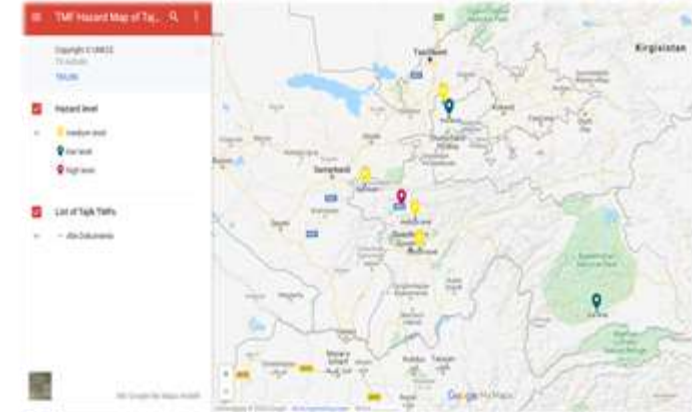
✓ Inventory and mapping of 121 tailings

Interactive map of tailings in Kyrgyzstan



✓ Inventory and mapping of 62 tailings

Interactive map of tailings in Tajikistan



✓ Inventory and mapping of 13 tailings

Interactive map of tailings in Uzbekistan



✓ Inventory and mapping of 41 tailings

59 out of 237 tailings may have potential transboundary impact → 25%

Interactive map of tailings in the basin of the Syr Darya river



✓ Inventory and mapping of 61 tailings

More effective coordination between national competent authorities and other stakeholders in the field of industrial safety

Kazakhstan



Second meeting of the WG on March 15, 2023

✓ The first meeting of the WG was held on February 11, 2022 under the leadership of the Ministry of Emergency Situations in cooperation with the Ministry of Ecology and Natural Resources

The WG was officially established by a decree of the Ministry of Emergency Situations in January 2022.

Tajikistan



Second meeting of the WG on April 4, 2023

The WG was officially established under the government on October 31, 2022

The inaugural meeting of the WG took place on December 2, 2021.

Uzbekistan



Development of terms of reference in the first half of 2023

Negotiations on the establishment of the WG initiated and ongoing

"Development of joint measures to prevent and respond to pollution of the Syr Darya River in emergency situations"



- ✓ implemented by the Water Convention, in close cooperation with the UNECE Industrial Accidents Convention and supported by the International Water Assessment Center (IWAC) with EU funding (National Water Policy Dialogues of the EU Water Initiative)

Deadlines: June 2021 - extended until the end of February 2023 (Phase I)

Objective: Development of joint measures for the prevention and response to pollution

Results:

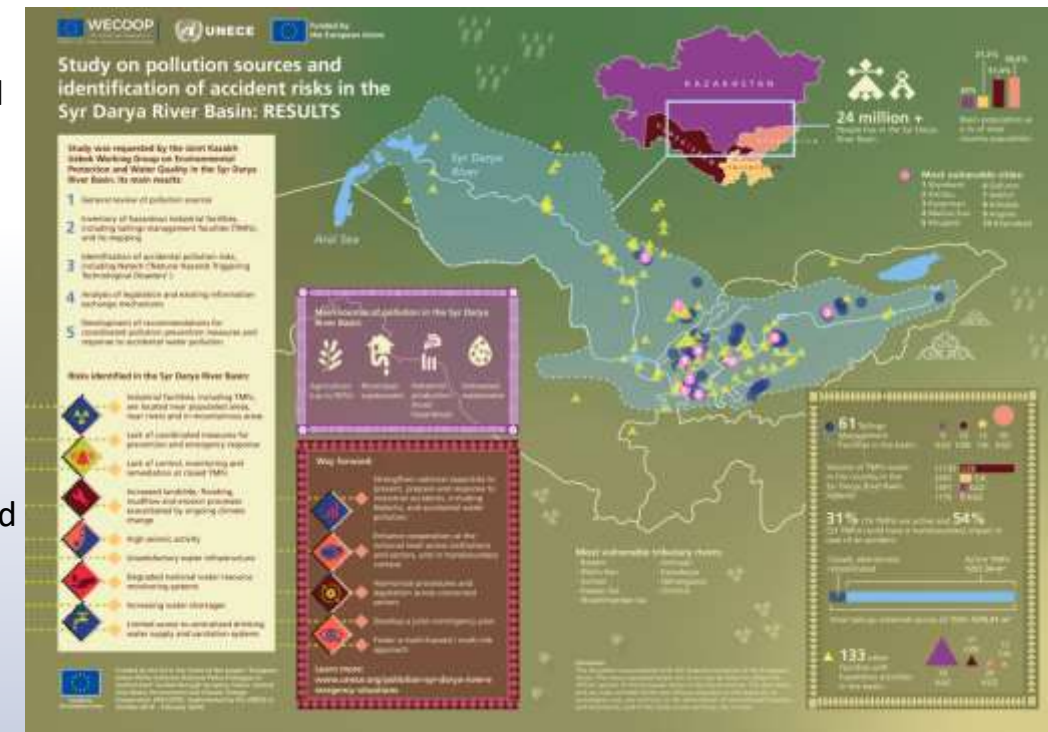
- ✓ An in-depth report examining the state of water resources, water quality issues, issues related to policies and institutions in the field of water management, industrial safety and prevention of accidental water pollution. It contains specific recommendations to be implemented by riparian countries.
- ✓ Inventory and mapping of 61 tailings and 133 other hazardous enterprises in the Syrdarya river basin
- ✓ Infographic and Executive Summary with key takeaways

Key country needs for Phase II (no funding):

Implementation of recommendations to address gaps, in particular on the development and testing of a transboundary contingency plan for the Syrdarya River Basin



Beneficiaries: Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan



Joint project of UNECE and UNISDR “Integration of risks of man-made/industrial accidents in national strategies and plans for disaster risk reduction”



General information

- ✓ Implemented in Kyrgyzstan and Tajikistan
- ✓ Dates: August 2022 – January 2023
- ✓ More detailed information at <https://unece.org/environment-policy/industrial-accidents/addressing-technologicalindustrial-accident-risks-national>



Objective

- ✓ Integrating the risks of man-made and industrial accidents into programs and plans for the implementation of national strategies for DRR in Kyrgyzstan and Tajikistan
- ✓ Integrating the risks of man-made accidents caused by natural disasters (Natech) into political and management practices



Results

- ✓ Contextual analysis reports on the risks of technological/industrial accidents in national DRR plans and strategies
- ✓ Recommendations for integrating technological/industrial accident risks, including (Natech), and transboundary considerations into national action plans

The project contributes to the achievement of the following priorities of the Strategy for the development of cooperation between the CA countries on DRR:

- ✓ Improved understanding of disaster risk
- ✓ Strengthening Institutional Capacity for Disaster Risk Management



Analysis of the national legislation of Tajikistan for harmonization with the requirements of the UNECE Industrial Accidents Convention



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- Implemented from mid-2020 to December 2022 in all countries of Central Asia
- Reflects the current situation
- Offers recommendations for bringing legislation in line with the requirements of the Convention in order to improve its application and enhance policy coherence and coherence, in particular in the area of disaster risk reduction
- Analysis aimed at strengthening industrial safety in Tajikistan

RECOMMENDATIONS

Prepare amendments to the Law on Industrial Safety in connection with the need to transfer Tajikistan to the GHS classification system and bring it into line with Annex I of the Convention and the GHS

Establish a mechanism for sending (and receiving) notifications of planned or ongoing ATS, taking into account the provisions of the Convention, and determine the responsible authority for this component.

Support activities to identify and map tailings in transboundary river basins

Take measures to prevent accidental water pollution, including by updating or developing joint contingency plans

Develop joint contingency plans with riparian countries along shared river basins

Strengthen cross-border and international cooperation in the field of prevention, preparedness for and response to industrial accidents and accidental pollution of water bodies, including at tailings and in relation to Natch risks, through information exchange and cross-border exercises

Develop procedures for public involvement that establish the procedure for the participation of the public that may be affected by the accident

The siting of new and significant modifications to existing facilities that carry out hazardous activities should also be guided by the Industrial Accidents Convention and refer to its guidelines.

NEXT STEPS

It is recommended to implement the recommendations to the relevant authorities of Tajikistan, namely the Service for State Supervision of Safe Work in Industry and Mining Supervision, and other authorities involved in industrial safety and related areas

It is recommended that, in cooperation between the relevant authorities, work towards their implementation in order to further harmonize policies and legislation with the provisions of the Convention and measures to reduce the risk of man-made disasters.

Implementation of the recommendations will contribute to:

- Strengthening the implementation of the Industrial Accidents Convention
- Implementation of the principles of the Law of the Republic of Tajikistan "On Environmental Protection"
- Implementation of the National Development Strategy of the Republic of Tajikistan for the period up to 2030
- Achieving the priorities of the Sendai Framework and strengthening disaster risk reduction
- Achievement of the Sustainable Development Goals (3, 6, 9, 11, 12, 13, 16)



Further activities in the field of tailings and prevention of water pollution in 2023

End of May 2023 - Sub-regional workshop on the safety of tailings and prevention of water pollution in Central Asia in Tajikistan

2nd half of 2023 - Organization of on-site training and preparation of a report for Uzbekistan with the participation of other Central Asian countries.

Thank you for your attention!
Questions?

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