

Objectives, key achievements and benefits of the tailings project implemented by Kazakhstan 2018-2019

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Охрана труда и безопасность на предприятии



Accidents at tailings
are not inevitable and
can be prevented!




**ВНИМАНИЕ!
ОПАСНАЯ ЗОНА**

**The purpose of the
methodology:**
to identify
inconsistencies at the
tailings with the set of
minimum safety
requirements, to
identify problem areas
at the facility.


What is currently being done to improve the safety of tailings?

- Every year, according to the approved schedule of inspections in a special order, all enterprises operating tailings and sludge collectors monitor the current status and safe operation of these hazardous production facilities.
- During the flood period, a commission is established at the enterprises, approved by the technical manager of the organization, measures are developed for safe passage of the flood, periodic topographic surveys, geodetic surveys are carried out to monitor the use of the tailings storage capacity of surface and underwater tailings and determine the volume of tailings and water accumulated in the tailings. Also, to assess possible groundwater pollution and flooding of the territory adjacent to the tailing dump, level measurements and water sampling for chemical composition in the wells of the observation network are carried out. Information on the readiness of the tailings pond to receive and pass the flood of the enterprise is sent to the address of the authorized body (Department).



Key achievements in methodology, what gives ?: all users of this methodology (competent authorities, inspectors and operators) perform work in accordance with the same verification procedure; tailing operators can determine the discrepancy between the condition of the facility and the minimum safety requirements prior to official verification and begin to eliminate them in advance; All users of the developed methodology work with one catalog of events containing the best available technologies for the sustainable development of the mining industry. The tailing hazard assessment method is primarily intended for quick preliminary assessment of the Hazard Index for a large number of facilities at the national level.





Positive effect of the tailings project implemented by Kazakhstan in 2018-2019 - during the period of August-September 2018, information was sent to all controlled enterprises operating the tailings according to the form regarding the calculation of the IOC, as well as the Methodology for improving safety. The collection and analysis of existing tailings was made, preliminary calculations of the IOC were obtained. Businesses were given the opportunity to provide suggestions on the Methodology.

Thanks for attention!

