

WATER EFFICIENCY MANAGEMENT PROGRAMME

Dehqonobod Potash Plant (DKZ)

This Water Efficiency Management Programme has been developed for Dehqonobod Potash Plant (DKZ)

to ensure sustainable and efficient use of water resources throughout all production processes.

The programme supports DKZ's environmental responsibility and aligns with national and international

standards for industrial water management.

Purpose and Objectives

The primary goal is to reduce freshwater consumption, increase water reuse, and strengthen monitoring and reporting systems. DKZ commits to continuous improvement of water use efficiency, minimizing waste, and protecting natural water resources.

Legal and Policy Framework

The programme is based on the Laws of the Republic of Uzbekistan on "Water and Water Use", environmental protection regulations, and ISO 14001:2015 standards. It supports compliance with national environmental requirements and DKZ's internal sustainability policies.

Water Use and Measurement

All key water-consuming processes are identified and equipped with calibrated water meters. Regular monitoring, data recording, and internal reporting are conducted to ensure accurate tracking of water consumption and efficiency performance.

Water Saving and Reuse Measures

DKZ promotes technological improvements such as closed-loop cooling systems, reuse of treated process water, and collection of rainwater for technical needs. Staff training and awareness programmes are implemented to enhance water-saving culture across all departments.

Monitoring and Reporting

Monthly monitoring data are reviewed by the Environmental Department and presented to management

quarterly. Annual summaries are prepared for performance assessment and potential reporting to regulatory authorities.

Risk Management and Contingency

Risks related to water supply interruption, equipment failure, or drought conditions are periodically assessed. Backup water sources and emergency action plans are maintained to ensure operational continuity.

Continuous Improvement

This programme will be reviewed annually to update targets, incorporate new technologies, and integrate lessons learned. DKZ is committed to maintaining transparency, accountability, and efficiency in managing its water resources.

Conclusion

By implementing this programme, DKZ aims to strengthen its ecological sustainability, reduce its environmental footprint, and contribute to the responsible management of Uzbekistan's natural resources.