

# Pattern Of Green Mines On Technology Innovation and Comprehensive Utilization: Taking Baoshan Lead-Zinc Mine of Hunan Province for Example



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Citation: Xu et al., 2019. Pattern Of Green Mines On Technology Innovation and Comprehensive Utilization: Taking Baoshan Lead-Zinc Mine of Hunan Province for Example. *Acta Geologica Sinica* (English Edition), 93(supp.2): 447.

**Abstract:** Baoshan Lead-Zinc Mine of Hunan Province is one of the advanced models of technology innovation and comprehensive utilization, it uses new methods, new technology and new equipments to solve the complex and difficult ore body mining, which improves the mining safety factor, reduces the environmental pollution, and the comprehensive recovery rate of mining reaches the advanced level in China. Through combining the actual needs of production, it not only makes innovations independently, but also integrates production, learning and research with innovation. It has completed the construction of underground wastewater treatment station and tailings reservoir wastewater treatment station. All of wastewater is treated by two treatment stations and reused to Baoshan Concentrator for further utilization. The recoveries of lead, zinc, gold and silver have been greatly improved and environmental pollution has been reduced by updating and reforming four series of cyanide-free flotation system. Through building Baoshan National Mine Park, it integrates popular science education with industrial civilization, demonstrates “a walking history of mining in China”.

**Key words:** green mines, pattern, technology innovation, comprehensive utilization, Baoshan

**Acknowledgement:** China Geological Survey project (No. 12120113033031).

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