

20.21 **Oil Shale Mining and Utilization in Longkou Mining Area China**

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This work presents the geological conditions, the ascending mining technique and utilization of the oil shale in Longkou mining area. The mined oil shale is retorted to produce shale oil. The remaining semi-coke and the by-product gas are burned to generate electricity. The spent shale is manufactured into construction material. This system forms a production chain and could be a new way for oil shale utilization.