

环保型煤矸石砖生产工艺探究-资源环境与城乡规划管理毕业论文

环保型煤矸石砖生产工艺探究

摘要

中国能源有 70%的是煤。我国煤炭开采量逐年增加，煤炭赋存地质条件逐渐恶化，使得煤炭开采和洗选排放的煤矸石大量增加。煤矸石堆积引起了大量的环境问题:大气污染、水污染、粉尘污染等。煤矸石良好的可利用资源，因此我国也回收再利用煤矸石。然而由于我国的科学技术水平落后，绝大多数煤矸石用于制砖，只有少数用于发电等高科技工程。且目前我国煤矸石制砖尚不成熟，存在大量的环境污染及问题:破碎机械的噪声污染、破碎粉尘污染、尾气余热浪费、尾气污染等等。

针对目前我国煤矸石制砖工艺存在的问题，本文提出了如下几项改进一、在煤矸石山周围建设白杨树绿化带;二、采用双层封闭系统对原料破碎段进行降噪除尘;三、用粉尘浆水进行原料陈化;四、高温尾气余热利用;五、尾气污染处理。对煤矸石从原料到成品合理规划设计，工艺进行的是闭路式生产，绿色生产，对环境污染少，可持续发展。

关键词: 煤矸石 双层封闭室 除尘 降噪 粉尘浆水 尾气处理

I

A research on brick-making technology of
environmentally protectional gangue

Abstract

China's energy is 70% coal. China's coal production is increasing
year by year, and

geological conditions of coal occurrence is deteriorating too, so gangue from coal mining and

washing of coal is increasing in emissions. A large number of environmental problems caused by Gangue accumulation :air pollution,water pollution and dust pollution. Coal gangue can be a good resources, therefore gangue is recycling in China too. However, due to the level of scientific and technological of China is backward, so that most of coal gangue is used in making coal gangue brick, only a small number of coal gangue is used in high-tech projects, such as used for electricity generation. And China's coal gangue brick engineering was not mature yet, it causes a large number of environmental pollution and problems:Broken

machinery noise pollution, dust pollution , waste heat, exhaust pollution and so on.

In view of the current problems of China's coal gangue brick engineering, several improvements are made in this paper : First, poplar green belt around the coal gangue hill ; Second, use double-closed room for noise reduction and material broken dust reduction; Third, use dust serofluid for raw materials; Fourth, the use of high-temperature exhaust heat;

Five, tail gas treatment. Planning and design from the gangue materials to finished rational, the new process is closed-circuit production, green production, less environmental pollution, sustainable development.

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/138116027044006027>