

Challenges and Progress in Environment Protection in China's Aluminum Metallurgy

Wanchao Liu

Director of Environment Engineering Division, Chalco Zhengzhou Non-ferrous Metal Research
Institute Co. Ltd, Zhengzhou, China
Corresponding author: wanchao_liu@hotmail.com

Abstract

Chinese government has taken a tough stance in environmental protection inspections since the beginning of 2016. In aluminum metallurgy field, the special emission limits on air pollutants are mentioned in modified emission standard of pollutants for aluminum industry, which is required to be implemented from 1st October, 2017. And the Environmental Protection Tax Law was issued in 2016, which will come into effect on 1st January, 2018. China will start implementing the national carbon market in 2017. To meet these challenges, alumina, aluminum and carbon producers have been investing heavily into the environmental protection. Some smaller producers, equipped with poor environmental protection facilities, suffered great impact from the inspections. Environmental protection is beneficial to the long-term healthy development of the Chinese aluminum industry. The presentation will show advanced technologies, applied by alumina and aluminum producers for air pollution control and waste management.

Keywords: Air pollutants in alumina and aluminum production, waste management, carbon emissions.

Note from ICSOBA 2017 Editor:

Full presentation of this paper is available on the ICSOBA 2017 USB.

