

## **Abstract**

### **The Status of processed slags from iron and steel making**

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This paper investigates whether slags which are generated during the production of iron and steel have to be classified as products or as wastes. According to the "Best Available Technique (BAT) Reference Document on the Production of Iron and Steel" the producing and processing companies perform the following measures:

- careful selection of all raw materials
- suitable metallurgical process technologies
- proper heat treatment
- appropriate mechanical processing

As a result the slag products fulfil the requirements of a great number of national, European or international standards and regulations.

By means of the European Waste Catalogue (EWC) and the Council Directive 91/156 EEC (18.3.91) it is analysed that the producer and processor performs many activities which are typical for the production and sale of products but not for discarding of waste. Slag products do not fall out of the commercial cycle or out of the chain of utility. Therefore the Regulation (EEC) 259/93 differs between products and wastes from slags: "Slags which have been specifically produced to meet both national and relevant international requirements and standards" are not classified as wastes but as products.

## Biographical Details

Name: Prof. Dr.-Ing. Jürgen Geiseler

Born: May 28<sup>th</sup>, 1937

Languages: German, English

Qualification:

1957-1962 Technical University (TU) Clausthal  
Studies of ferrous metallurgy  
Graduation as Dipl.-Ing.

1967 Graduation as Dr.-Ing. in metallurgy

1992 Honorary Professor in metallurgy TU Clausthal

Professional Background:

1963-1968 TU Clausthal, Scientist

1968-1972 Edelstahlwerk Witten AG  
Superintendent, research department

1972-1977 Hamburger Stahlwerke GmbH  
Head of research and quality management department

1977-2002 Forschungsgemeinschaft Eisenhüttenschlacken e. V.  
(Research Association for Iron and Steel Slags)  
Head of research department  
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Special Experiences:

Slags and residues from iron and steelmaking and from  
nonferrous metals – properties – production – processing  
Iron and steel production  
Environmental questions related to slags

Chairman of EUROSLAG, the European Slag Association which  
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