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Slag Re-utilization Technologies in Kawasaki Steel Contributing to Establishment of Recycling-based Society

y - o Y (Toshikazu Sakuraya)

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Synopsis :

Japanese society is now moving to establish a recycling-based society. One of the most important tasks of Japanese steel industry to contribute to this movement is to develop technologies and systems, by which the full re-utilization of iron slag and steelmaking slag is realized. In Kaswaski Steel, the recycling of steelmaking slag in iro -2 (g)63( )ba008b050 0

considered to achieve the key words. Intensive works for realizing the usage of steelmaking slag in port construction works are continued.

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Slag Re-utilization Technologies in Kawasaki Steel

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要旨

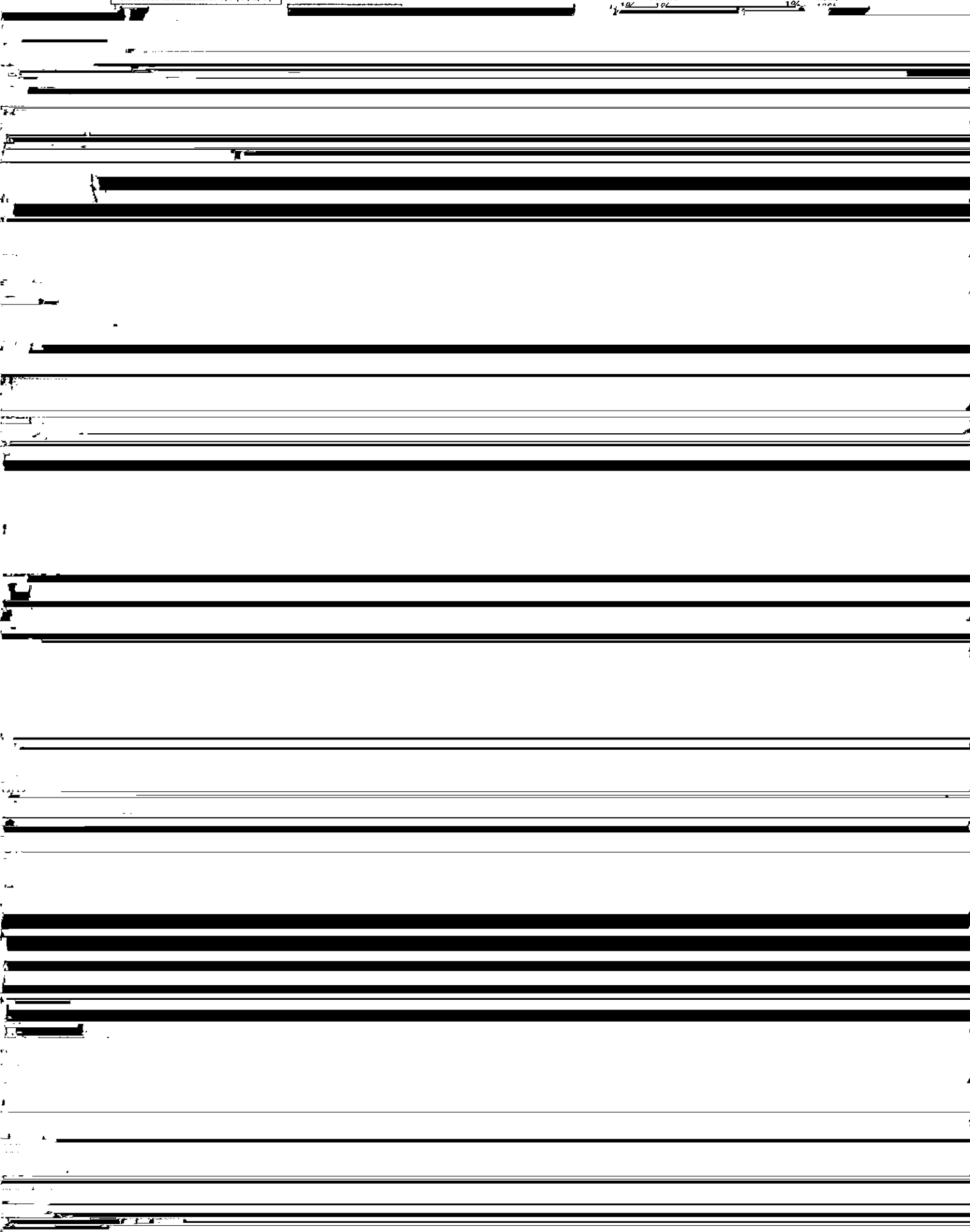
Improvement of steel products quality  
- Decrease of contents of C, N, P, S, O, ...

Chiba Works

Mizushima Works

Fertilizer Others

Fertilizer Road



roduction in Chiba
ater granulated slag
ement industries
ot metal design
iba Works for SUS
ening tech. for PT slag e to sintering process ystem for SUS slag rocess and aggregate
orks aking slag use in port ion of steelmaking slag in of slag

BE Declaring Retreatment Declaring Declaring DON



STAR  
process



← Dust recycle  
← Slag recycle







参 考 文 献

1) 鉄鋼スラグ協会 50周年記念誌「過去50年」東京 (1999) 140-141

2) 福田 啓「製鋼スラグの再資源化研究会最終報告」日本鉄鋼協会

3) 河野保一郎、北西 明、宮本吉生、三野尚洋、渡辺誠也、田代朝雄 (1999) 109

社# 1269998 000

4) 鉄鋼協会「製鋼スラグの再資源化研究会最終報告」日本鉄鋼協会