

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HJ 708-2014

**Technical guideline for environmental impact assessment iron
and steel construction projects**

环境影响评价技术导则 钢铁建设项目

(English Translation)

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Foreword

To implement the "People's Republic of China Environmental Protection Law", "People's Republic of China Environmental Impact Assessment Law" and "building items Head of Environmental Protection Management Regulations ", to protect the environment, regulate the environmental impact assessment of construction projects of steel, the development of this standard.

This standard specifies the general principles of the steel construction project environmental impact assessment, contents, methods and technical requirements.

The Standard Appendix A, Appendix B and Appendix C are informative appendix.

This standard is the first release.

This standard is developed by the Ministry of Environmental Protection Science, Technology organization.

This standard was drafted. Environmental Protection Department of Environmental Engineering Assessment Center, Beijing Jingcheng Jiayu Environmental Science and Technology Co., Ltd., Central Environmental Protection Ministry of Foreign Cooperation Center of Environmental Protection.

This standard MEP October 30, 2014 for approval.

This standard since January 1, 2015 implementation.

The standard explanation by the Ministry of Environmental Protection.

Environmental Impact Assessment Technology Guidelines Steel Construction Projects

1 Scope

This standard specifies the general principles of the steel construction project environmental impact assessment, contents, methods and technical requirements.

This standard applies to new construction, expansion and transformation of the steel construction projects.

This standard does not apply to independent coking enterprises in construction projects, the main project of non-steel industry, steel industry, metallurgy, mining Mining Ore beneficiation and environmental impact assessment of construction projects.

Iron and steel enterprises planning environmental impact assessment can be implemented by reference.

2 Normative references

The standard content of the following documents cited in the articles. For undated references, the effective version applies to this standard.

GB 13223 Thermal Power Plant Air Pollutant Emission Standards GB 13271 boiler air pollutant emission standards GB 13456 steel industrial water pollutant discharge standards GB 16171 coking chemical industry emission standards GB 16297 Air Pollutant Emission Standards GB 18597 Hazardous Waste Storage Pollution Control Standard GB 18599 general industrial solid waste storage and disposal site pollution control standards GB 28662 steel sintered pellet industrial air pollutant emission standards GB 28663 ironmaking industry emission standards of air pollutants GB 28664 steelmaking industry emission standard atmosphere GB 28665-rolled steel industry emission standards of air pollutants

GB 28666 ferroalloy industry emission standards HJ 2.1 Environmental Impact Assessment Technology Guidelines Master HJ 2.2 Technical Guidelines for Environmental Impact Assessment of Atmospheric Environment HJ 2.4 Environmental Impact Assessment Technology Guidelines make a sound environment HJ 19 Environmental Impact Assessment Technology Guidelines ecological impact Determination of isotope HJ 77.2 Ambient Air and Waste dioxins dilution HRGC - HRMS HJ 465 iron and steel industry environmental protection guidelines for the development of circular economy HJ 470 Clean Production Standards (alloy) HJ 610 Environmental Impact Assessment Technology Guidelines groundwater environment HJ/T 2.3 Environmental Impact Assessment Technology Guidelines surface water Soil Environmental HJ/T 25 industrial enterprises in quality risk evaluation criteria HJ/T 126 standard clean production Coking Industry HJ/T 166 soil environmental monitoring technical specifications HJ/T 169 Construction Project Environmental Risk Assessment Guidelines HJ/T 318 Clean Production Standards rolling (plate) HJ/T 365 hazardous waste (including medical waste) incineration facilities dioxin emissions monitoring technical specifications HJ/T 426 Clean Production Standards (sintering) HJ/T 427 standard clean production steel industry (blast furnace) HJ/T 428 standard clean production steel industry (steel) "Steel industry clean production evaluation index system" (National Development and Reform Commission, Ministry of Environmental Protection Industry and the letter Interest Ministry Announcement No. 3 of 2014) "Interim Measures on Public Participation in Environmental Impact Assessment" (UNCED [2006] No. 28) "On the implementation of special emission limits of air pollutants Notice" (MEP Announcement No. 14 of 2013) "General industrial solid waste storage and disposal site pollution control standards" (GB 18599- 2001) and other three national pollutant Control standards amendments (MEP Announcement No. 36, 2013)

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Steel Construction Projects

It refers to the construction containing sinter/pellet, coke, iron and steel smelting and rolling processing, ferroalloy smelting of its content project.

3.2 Metal balance

Refers to the use of the principle of conservation of mass, indicating some kind of balance between the metal element in the investment process, outputs, lost between.

3.3 Metal Recycling rate

It refers to the production process, the final product of a metal element in the quality of inputs and raw material quality of the metal element the ratio, expressed as a percentage.

3.4 Poisonous and harmful elements balance

Refers to the use of the principle of conservation of mass, indicating that the production process input and output material sulfur, fluorine, chromium, nickel and other elements Balance between quality.

3.5 Water balance

It refers to the process and the entire plant as a unit, in consideration of water quality, water temperature and other process requirements, based on the description of the input and output of water Balance between.

3.6 Gas Balance

It refers to the whole plant as a unit, coke oven gas, blast furnace gas, converter gas, smelting reduction furnace gas and furnace gas production Health and balance between the amount of usage, the amount of loss, emission quantities.

3.7 Production of fresh water

It refers to the production of steel construction projects needed fresh water. Including access to tap water from the city's water, from surface water (river, Rivers, lakes and reservoirs) and access to water wells, and water purchased in quantity, not including corporate collect rainwater, seawater drawn and urban sewage water.

4.1 Environmental factors identification

4.1.1

identify environmental factors including the construction and operation periods.

4.1.2

Environmental factors, including natural and social environment, should the ambient air, surface water, groundwater, ocean, sound Environmental, soil, land/aquatic organisms, land use is identified.

4.1.3

Based on the investigation and analysis of regional environmental characteristics of construction projects on pollution characteristics, consideration should focus on construction projects may yield Health persistence and cumulative effects.

4.1.4

Environmental factors can be used to identify matrix, the matrix table, refer to Appendix A.