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

GB 26452-2011

Discharge standard of pollutants for vanadium industry

钒工业污染物排放标准

(English Translation)

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Table of Contents

Foreword

1 Scope of application

2 Normative references

3 Terms and definitions

4 Pollutant emission control requirements

4.1 Water pollutant emission control requirements

1 pH 6~9 6~9

2 suspended matter 70 70

3 Chemical Oxygen Demand (CODCr) 80 100

4 Sulfide 1.0 1.0

5 ammonia nitrogen 25 40

6 total nitrogen 40 60

7 total phosphorus 1.0 2.0

8 Chloride (in terms of Cl-) 500 500

9 Petroleum 10 10

10 total zinc 2.0 2.0

11 total copper 0.5 0.5

12 total cadmium 0.1

13 total chromium 1.5

14 hexavalent chromium 0.5

15 total vanadium 2.0

16 total lead 1.0

17 total arsenic 0.5

18 total mercury 0.05

1 pH 6~9 6~9

2 suspended matter 50 70

3 Chemical Oxygen Demand (CODCr) 60 100

4 Sulfide 1.0 1.0

5 ammonia nitrogen 10 40

6 total nitrogen 20 60

7 total phosphorus 1.0 2.0

8 Chloride (in terms of Cl-) 300 300

- 9 Petroleum 5 5
- 11 total copper 0.3 0.3
- 12 total cadmium 0.1
- 13 total chromium 1.5
- 14 hexavalent chromium 0.5
- 15 total vanadium 1.0
- 16 total lead 0.5
- 17 total arsenic 0.2
- 18 total mercury 0.03
- 1 pH 6~9 6~9
- 2 suspended matter 20 50
- 3 Chemical Oxygen Demand (CODCr) 30 60
- 4 Sulfide 1.0 1.0
- 5 ammonia nitrogen 8 10
- 6 total nitrogen 15 20
- 7 total phosphorus 0.5 1.0
- 8 Chloride (as Cl⁻).200.200
- 9 Petroleum Class 1 1
- 10 total zinc 1.0 1.0
- 11 total copper 0.2 0.2
- 12 total cadmium 0.1
- 13 total chromium 1.5
- 14 hexavalent chromium 0.5
- 15 total vanadium 0.3
- 16 total lead 0.1
- 17 total arsenic 0.1
- 18 total mercury 0.01
- 4.2 Air Pollutant Emission Control Requirements
- 1 raw material pretreatment
- 2 Roasting roaster/kiln 700 100 100 - 65 1.5
- 3 Precipitation sedimentation tank/tank - - - 35 - 0.7
- 8 other - 100 - - - 0.7
- 1 raw material pretreatment
- 2 Roasting roaster/kiln 400 50 80 - 50 1.0
- 3 Precipitation sedimentation tank/tank - - - 20 - 0.5

- 8 other - 50 - - - 0.7
- 1 sulfur dioxide 0.3
- 2 particles 0.5
- 3 Hydrogen chloride 0.15
- 4 sulfuric acid mist 0.3
- 5 chlorine gas 0.02
- 6 lead and its compounds 0.006

Foreword

To implement the "Environmental Protection Law of the People's Republic of China", "Water Pollution Prevention and Control Law of the People's Republic of China"

Laws and Regulations on Dyeing Prevention and Control, "Decision of the State Council on Implementing the Scientific Outlook on Development and Strengthening Environmental Protection" and the State Strengthening Heavy Metal Pollution

This standard is formulated for the relevant requirements of prevention and control work, protection of the environment, prevention and control of pollution, promotion of vanadium industrial production processes and advances in pollution control technologies.

This standard specifies the limits, monitoring and monitoring requirements for water and air pollutants in vanadium industrial enterprises, and is applicable to water pollution of vanadium industrial enterprises.

Air pollution prevention and management. In order to promote the coordinated development of regional economy and environment, and promote the adjustment of economic structure and the transformation of economic growth mode,

To guide the development direction of vanadium industrial production technology and pollution control technology, this standard specifies the special emission limits for water pollutants.

The pollutant discharge concentrations in this standard are all mass concentrations.

Vanadium industrial enterprises emit odor pollutants and environmental noises. The corresponding national pollutant discharge standards are applied, and the identification of solid wastes is generated.

The national solid waste pollution control standards apply to the treatment and disposal.

This standard is the first release.

From the date of implementation of this standard, the control of water and air pollutant emissions from vanadium industrial enterprises shall be implemented in accordance with

the provisions of this standard, and no pollution shall be implemented.

Integrated Water Discharge Standard (GB 8978), "Water Pollution Emission Standard for Iron and Steel Industry" (GB 13456), "Integrated Emission Standard for Air Pollutants" (GB 16297) and the relevant provisions of "Industrial Kiln Air Pollutant Emission Standards" (GB 9078).

Local provincial people's governments may formulate local pollutant discharge standards for pollutants not specified in this standard;

For the specified pollutants, local pollutant discharge standards that are stricter than this standard can be formulated.

This standard was formulated by the Science and Technology Standards Department of the Ministry of Environmental Protection.

This standard is mainly drafted by. Northeastern University, China Academy of Environmental Sciences.

This standard was approved by the Ministry of Environmental Protection on February 25, 2011.

This standard has been implemented since October 1, 2011.

This standard is explained by the Ministry of Environmental Protection.

Vanadium industrial pollutant discharge standard

1 Scope of application

This standard stipulates the emission limits, monitoring and monitoring of water pollutants and atmospheric pollutants in the characteristic production process and installation of vanadium industrial enterprises.

Requirements, as well as the implementation of standards and supervision.

This standard applies to the management of water and air pollutant emissions from existing vanadium industrial enterprises, and the environmental impact assessment of vanadium industrial enterprises construction projects.

Price, environmental protection facility design, completion environmental protection acceptance and management of water and air pollutant emissions after commissioning.

This standard applies to the discharge of pollutants permitted by law; the location of newly established sources of pollution and the existing sources of pollution in special protected areas

According to the Law of the People's Republic of China on the Prevention and Control of Water Pollution, the Law of the People's Republic of China on Prevention and Control of