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

GB 15581-2016

Replacing GB 15581-1995

**Emission standard of pollutants for the caustic alkali and
polyvinyl chloride industry**

烧碱、聚氯乙烯工业污染物排放标准

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4.1 Water Pollutant Emission Control Requirements

4.1.1 Since September 1, 2016, the new enterprises have implemented the water pollutant discharge limits set out in Table 1.

4.1.2 Prior to

1 July 2018, existing enterprises should continue to implement the current standards. Since July 1, 2018, the existing enterprise implements the water pollutant discharge limits specified in Table 1. Table

1 Water pollutant emission limits Unit. mg/L (except pH) No. Contaminant Project Control Pollution Source Emission limits Direct discharge of the monitoring position 1 pH caustic soda enterprises, PVC enterprises 6 ~ 9 6 ~ 9 enterprise wastewater Total Discharge Port

2 Chemical Oxygen Demand Caustic Soda Enterprise, Polyvinyl Chloride Enterprise 60 250 5 (CODCr) Five days of biochemical oxygen Volume (BOD5) Polyvinyl Chloride Enterprise 4 suspended matter caustic soda enterprises, PVC enterprises 30 70 5 oil caustic soda enterprises, PVC enterprises 3 10 6 ammonia nitrogen caustic soda enterprises, PVC enterprises 15 40 7 total nitrogen caustic soda enterprises, PVC enterprises 20 50

5 Pollutant Monitoring Requirements

Implementation and supervision of standards Appendix A (normative appendix) PCDD/Fs toxicity equivalent factor

In order to implement the Environmental Protection Law of the People's Republic of China, the Law of the People's Republic of China on the Prevention and Control of Water Pollution, And the State Air Pollution Prevention Law ", the People's Republic of China Marine Environmental Protection Law "and other laws and regulations, to protect the environment, Pollution, promote caustic soda, PVC production process and pollution control technology progress, the development of this standard. This standard is the "caustic soda, PVC industrial water pollutant discharge standards" (GB 15581-95) revision, the standard The provisions of the caustic soda, PVC industrial enterprises water and air pollutant emission limits, monitoring and monitoring requirements. To promote regional economics Economic and environmental development, promote the adjustment of economic structure and economic growth mode change, guide caustic soda, polyvinyl chloride industry Production technology and pollution control technology development direction, this standard provides for water and air pollutants special emission limits. This standard was first published in.1995, this time for the first revision. The main contents of this revision. - Increased air pollutant emission control requirements. - Adjusted the water pollutant emission control project, tightening the water pollutant emission control requirements. - Added special limits on water and air pollutants. - Elimination of regulations for sewage management. The concentration of pollutants in this standard is the mass concentration. Caustic soda, PVC industrial enterprises emissions of stench pollutants, environmental noise and boiler emissions of air pollutants applicable to the corresponding Of the national pollutant discharge standards, resulting in solid waste identification, treatment and disposal of national solid waste pollution control standards. New caustic soda, PVC industrial enterprises since September 1,.2016 from the implementation of this standard, the existing enterprises since July 1,.2018 The implementation of this standard. Before July 1,.2018, the existing enterprises still implement the "caustic soda, PVC industrial water pollutant discharge standard (GB 15581-95), "Integrated Emission Standard for Air Pollutants" (GB 16297-1996) and "Industrial Furnace Air Pollution Discharge standards "(GB 9078-1996) in the relevant provisions. This standard is the caustic soda, PVC industrial pollutant discharge control of the basic requirements. Local provincial people 's government on this standard Unauthorized items can be formulated for local pollutant discharge standards; for this standard has been provided for the project, The standard of local pollutant discharge standards. Environmental impact assessment documents or the requirements of the sewage permit than this or local standards Strictly, should be approved in accordance with the environmental impact assessment or discharge permit documents. This standard is organized by the Ministry of Environmental Protection Science and Technology Standards Division. The main drafting of this standard. China Environmental Science Research Institute, Qingdao University of Science and Technology, China Chlor-Alkali Industry Association. The environmental protection department of this standard approved on May 11,.2016. This standard has been implemented since September 1,.2016. This standard is explained by the Ministry of Environmental Protection. 1 caustic soda, PVC industrial pollutant discharge standards

5.0 Ethylene Oxychlorination Process PVC Enterprise 2.0

4.1.3 According to the requirements of environmental protection work, the density of land development has been higher, the environmental carrying capacity began to weaken, or water Environmental capacity is small, the ecological environment is fragile, prone to serious water pollution problems and the need to take special protective measures to the ground Area, should strictly control the company's pollution emissions behavior in the above-mentioned areas of enterprises to implement the special discharge of water pollutants as specified in Table

2 Limit. The geographical scope of the special discharge limit for the implementation of water pollutants shall be determined by the competent department of environmental protection administration or the provincial level of the State Council Civil government regulations. Table

2 Specific limits for water pollutants Unit. mg/L (except pH) Pollutant project controls pollution sources Emission limits Direct discharge of the monitoring position 1 pH caustic soda enterprises, PVC enterprises 6 ~ 9 6 ~

9 Enterprise wastewater Total discharge Cod (CODCr) Caustic soda enterprises, polyvinyl chloride enterprises 40

60 Five days of biochemical oxygen Volume (BOD5) Polyvinyl Chloride Enterprise 4 suspended matter caustic soda enterprises, PVC enterprises 20 30 5 oil caustic soda enterprises, PVC enterprises 1 3 6 ammonia nitrogen caustic soda enterprises, PVC enterprises 8 15 67 total nitrogen caustic soda enterprises, PVC enterprises 10 20

9 Sulfide Acetylene Process PVC Company 0.2

0.2 Total barium caustic soda business 5 5 11 active chlorine caustic soda enterprises

0.5 Workshop or production Device discharge port

12 Vinyl Chloride Polyvinyl Chloride Enterprise Total Mercury Acetylene Process PVC Company Total nickel caustic soda business Unit product base displacement (M3/t product) Caustic Soda Enterprise

1.0 Displacement Metering Location And pollutant discharge monitoring Control the same position Acetylene Polyvinyl Chloride Enterprise

5.0 Ethylene Oxychlorination Process PVC ...