Chinastandards.org

ICS 71.010

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB 50747-2012

Code for design of wastewater treatment in petrochemical industry

石油化工污水处理设计规范

(English Translation)

Issued by: State Administration for Market Regulation;
Standardization Administration of China

Preview: page 1 of 4 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-50747-2012

Chinastandards.org

Table of Contents

1 General provisions
2 Terms
3 Wastewater quantity and quality for design
3.1 Wastewater quantity for design
3.2 Wastewater quality for design
3.3 Classification of wastewater treatment system
4 Wastewater pretreatment and local treatment
4.1 General requirement
4.2 Wastewater from refining plant
4.3 Wastewater from petrochemical plant
4.4 Wastewater from oil tank farm
5 Wastewater treatment facilities
5.1 Bar screen
5.2 Regulation and equalization
5.3 Neutralization
5.4 Oil separation
5.5 Mixing
5.6 Flocculation
5.7 Air floatation
5.8 Activated sludge process
5.9 Biovelum process
5.10 Anaerobic biological process
5.11 Sedimentation
5.12 Monitoring basin
5.13 Advanced treatment
5.14 Disinfection
5.15 Wastewater reuse
6 Sludge treatment and disposal
6.1 General requirement
6.2 Calculation of sludge quantity
6.3 Sludge transportation
6.4 Sludge thickening

Preview: page 2 of 4 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-50747-2012

6.5 Sludge dewatering
6.6 Sludge drying
6.7 Sludge incineration
6.8 Sludge storage and landfill
7 Slop oil recovery
7.1 General requirement
7.2 Slop oil dewatering
7.3 Slop oil transportation
8 Exhaust gas treatment
8.1 General requirement
8.2 Exhaust gas collection and transportation
8.3 Exhaust gas treatment process
9 Emergency wastewater treatment

1 Foreword

GB 50747-2012 is issued by State Administration for Market Regulation; Standardization Administration of China.

The GB prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

The document runs to 15 pages in English translation.

2 Scope Preview

GB 50747-2012 falls under ICS 71.010, in the field of chemical technology.

This catalogue holds 132 other GB standards in that field.

In this catalogue, GB standards carry edition years from 1963 to 2026.

3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of China

English translation: about 15 pages (approximate)

Preview: page 3 of 4 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-50747-2012

Chinastandards.org

4 Classification and status

International classification (ICS): 71.010

Chinese Standard Classification (CCS): P 72

Prefix GB: mandatory standard.

Preview: page 4 of 4 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-50747-2012