

HJ

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Technical Specifications for Pollution Control of Used Mineral Oil Recovery, Recycle and Reuse (English Translation)

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Foreword

This Standard is established, for the implementation of Environmental Protection Law of the People's Republic of China and Law of the People's Republic of China on the Prevention and Control of Environment Pollution Caused by Solid Wastes, for the standardization of recovery, recycle and reuse of used mineral oil, for the prevention and control of pollution of used mineral oil to the environment, and for the protection of the environment and human health.

This Standard specifies the pollution control technologies and environmental management requirements for the process of collection, transportation, storage, use and disposal of used mineral oil.

This Standard is issued for the first time.

Annex A to this Standard is informative.

This Standard was drafted under the organization of the Department of Science, Technology and Standards under the Ministry of Environmental Protection.

The main drafting organizations of this Standard. Jinan Environmental Research Institute, Jinan Xinyuan Material Development and Utilization Co., Ltd.

This Standard was approved by the Ministry of Environmental Protection on February

16, 2011.

This Standard is implemented from July 1, 2011.

This Standard shall be interpreted by the Ministry of Environmental Protection.

Technical Specifications for Pollution Control of
Used Mineral Oil Recovery, Recycle and Reuse

1 Scope

This Standard specifies the pollution control technologies and environmental management requirements for the process of collection, transportation, storage, use and disposal of used mineral oil.

This Standard applies to the pollution control for the process of collection, storage, transportation, utilization and disposal of used mineral oil. It may be used as the guide for the siting, the engineering construction and the pollution control for the operation after construction, of the operators of used mineral oil.

2 Normative References

This Standard references the articles in the following documents. For undated reference documents, their valid editions apply to this Standard.

GB 8978, Integrated Wastewater Discharge Standard

GB 12348, Emission Standard for Industrial Enterprises Noise at Boundary

GB 13015, Control Standard on Poly Chlorinated Biphenyls for Waste Slags

GB 13271, Emission Standard of Air Pollutants for Boiler

GB 16297, Comprehensive Emission Standard of Air Pollutants

GB/T 17145, Technical Guides for Collection and Re-Refining of Used Oil

GB 18484, Pollution Control Standard for Hazardous Wastes Incineration

GB 18597, Standard for Pollution Control on Hazardous Waste Storage

GB 18598, Standard for Pollution Control on the Security Landfill Site for Hazardous Wastes

HJ/T 55, Technical Guidelines for Fugitive Emission Monitoring of Air Pollutants

HJ/T 91, Technical Specifications Requirements for Monitoring of Surface Water

and Waste Water

HJ/T 166, Technical Specification for Soil Environmental Monitoring

HJ/T 176, Technical Specifications for Centralized Incineration Facility Construction on Hazardous Waste

HJ/T 373, Technical Specifications of Quality Assurance and Quality Control for Monitoring of Stationary Pollution Source

HJ/T 397, Technical Specifications for Emission Monitoring of Stationary Source

Provisions on the Administration of Road Transport of Dangerous Goods (Order No.

9 of the Ministry of Transport in 2005)

Rules on Waterway Transport of Dangerous Goods (Order No. 10 of the Ministry of Transport in 1996)

Provisions on the Administration of Railway Transport of Dangerous Goods (Tie Yun [1995] No. 104)

Measures for the Administration of Permit for Operation of Dangerous Wastes (Order No. 408 of the State Council in 2004)

Measures for the Administration of Transfer Documents of Dangerous Wastes (Order No. 5 of State Environmental Protection Administration in 1999)

Policies on Pollution Prevention and Control Technology of Dangerous Wastes (Document No. 199 of State Environmental Protection Administration in 2001)

Guide for Emergency Response Plans Prepared by Operators of Dangerous Wastes (Announcement No. 48 of State Environmental Protection Administration in 2007)

Guide for Recording and Reporting Business Conditions of Operators of Dangerous Wastes (Announcement No. 55 of State Environmental Protection Administration in 2009)

3 Terms and Definitions

For the purposes of this Standard, the following terms and definitions apply.

3.1

used mineral oil

Mineral oil which is extracted and refined from petroleum, coal and oil shale and is unable to be used because the original physical and chemical properties change due to external factors during the process of exploitation, processing and use.

3.2

Ship breaking, repairing and building shall be provided with oil fencing installations and used mineral oil collection installations. The articles containing oil which are generated in operation, shall not be piled up or dumped in water areas randomly.

6.6.1 The operating sites of motor vehicle maintenance and mechanical maintenance

shall be treated for seepage-proofing, and shall be provided with sunscreen and rain-proofing measures.

6.6.2 The operating sites of motor vehicle maintenance and mechanical maintenance

shall be provided with special collection containers or installations of used mineral oil, and shall be provided with collection and treatment installations of floor flushing sewage.

7 Technical Requirements for Pollution Control of

Storage

7.2 The design and construction of storage facilities of used mineral oil shall comply

with the design principles for storage of dangerous wastes, in addition to the design specifications for fire protection and dangerous article storage.

7.3 The storage facilities of used mineral oil shall be kept away from fire sources and

prevented from high temperature and direct sunlight exposure.