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

GB 50028-2006

Replacing GB 50028-1993

Code for design of city gas engineering

城镇燃气设计规范

(English Translation)

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Explanation of Wording in This Code

1.0.1

This standard is formulated with a view to conform to the city gas engineering design requirements for safe production, reliable supply, reasonable economical efficiency and environmental protection.

1.0.2

This standard is applicable to the design of new, expanded and renovated city gas engineering to supply fuel gas for domestic and commercial use, production of industrial enterprise, heating, ventilation and air conditioning in cities, towns and residence communities, etc..

Note: 1 This standard is not applicable to the long-distance gas transmission pipeline engineering in front of city gate.

2 This standard is not applicable to the design of gas engineering by industrial enterprises themselves for technological design and the gas quality does not conform to the quality requirements of this standard. But the gas engineering by industrial enterprises themselves

for technological process and the gas quality conforms to this standard can be designed according to this standard. If the gas for self use in industrial enterprises is supplied to residents, the gas quality and engineering design shall comply with this standard.

3 This standard is not applicable to the design of gas appliances used in ships, river steamers, railway vehicles, automobiles, etc..

1.0.3

During the design of the city gas engineering, the effective new process, technology, materials and equipment should be positively used based on successful experiences in production, construction and scientific experiments in order to ensure the technique is the latest and most economical and reasonable.

1.0.4

The city gas engineering planning and design shall comply with Chinese energy policy. The city gas engineering should be designed in accordance with city master plan as well as energy planning, environmental protection planning and fire-fighting planning, etc..

1.0.5

The design of city gas engineering shall comply not only with the requirement stipulated in this code, but also those in current relevant ones of the nation.

2.0.1 City gas

A kind of combustible gas conforming to this standard, which is supplied for domestic and commercial use, industrial production, heating, ventilation and air conditioning, etc., by the transmission and distribution system from the regional gas sources in cities, towns and villages or residential communities. The city gas generally includes natural gas, liquefied petroleum gas and manufactured gas.

2.0.2 Manufactured gas

A kind of combustible gas which conforms to "Manufactured Gas" GB 13612, and is made from solid, liquid or gas (including coal, heavy oil, light oil, liquefied petrolatum gas, natural gas, etc.) conversion. It is also called coal gas for short in China.

2.0.3 Gas for domestic use

The gas for domestic cooking and water heating, etc.