

Subject

Regulations on sulphur content of fuel oil within Chinese emission control areas

ClassNK

Technical Information

No. TEC-1060

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To whom it may concern

On 4 December 2015, the Chinese government announced that it designated the Pearl River Delta, the Yangtze River Delta and the Bohai Rim waters as the emission control areas, and the limit for sulphur content of fuel oils used onboard ships operating within the aforementioned emission control areas will start to be strengthened to 0.5% m/m.

The URL for the official announcement from the Chinese government is as follows. (In Chinese only)
http://www.moc.gov.cn/zfxxgk/bzsdw/bhsj/201512/t20151204_1942434.html

The outline of the regulation is as follows:

1. Applicable ships

Ships voyaging, berthing and operating within the emission control areas excluding military ships, sports ships and fishery ships

2. Emission control areas

The Pearl River Delta, the Yangtze River Delta and the Bohai Rim waters as described in the Attachment 1 are designated as emission control areas subject to this regulation. In addition, the following 11 ports in these emission control areas are designated as "core port areas" for implementation of the regulation.

| | |
|----------------------|---|
| Pearl River Delta: | Shenzhen, Guangzhou and Zhuhai |
| Yangtze River Delta: | Shanghai, Ningbo-Zhoushan, Suzhou and Nantong |
| Bohai Rim: | Tianjin, Qinhuangdao, Tangshan and Huanghua |

3. Contents of the regulation

- (1) Starting on 1 January 2016, ports in the emission control areas can require ships at berth to use fuel oils whose sulphur content does not exceed 0.5% m/m.*
- (2) Starting on 1 January 2017, ships berthing at core port areas within the emission control areas are required to use fuel oils whose sulphur content does not exceed 0.5% m/m (except for the first hour after arrival and the last hour prior to departure)

(To be continued)

NOTES:

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(3) Starting on 1 January 2018, ships berthing at any ports within the emission control areas are required to use fuel oils whose sulphur content does not exceed 0.5% m/m (except for the first hour after arrival and the last hour prior to departure)

(4) Starting on 1 January 2019, ships entering emission control areas are required to use fuel oil whose sulphur content does not exceed 0.5% m/m

In addition to the above, it will be decided by 31 December 2019, after assessing the effect of the above regulations, whether the sulphur limit value is to be strengthened to 0.1%, the emission control areas are to be expanded or other further action is to be taken.

- * Currently, no ports have yet announced the implementation of the regulation from 1 January 2016. Upon receipt of any relevant information, a new ClassNK Technical Information will be issued. The relevant information will also be notified on ClassNK website.

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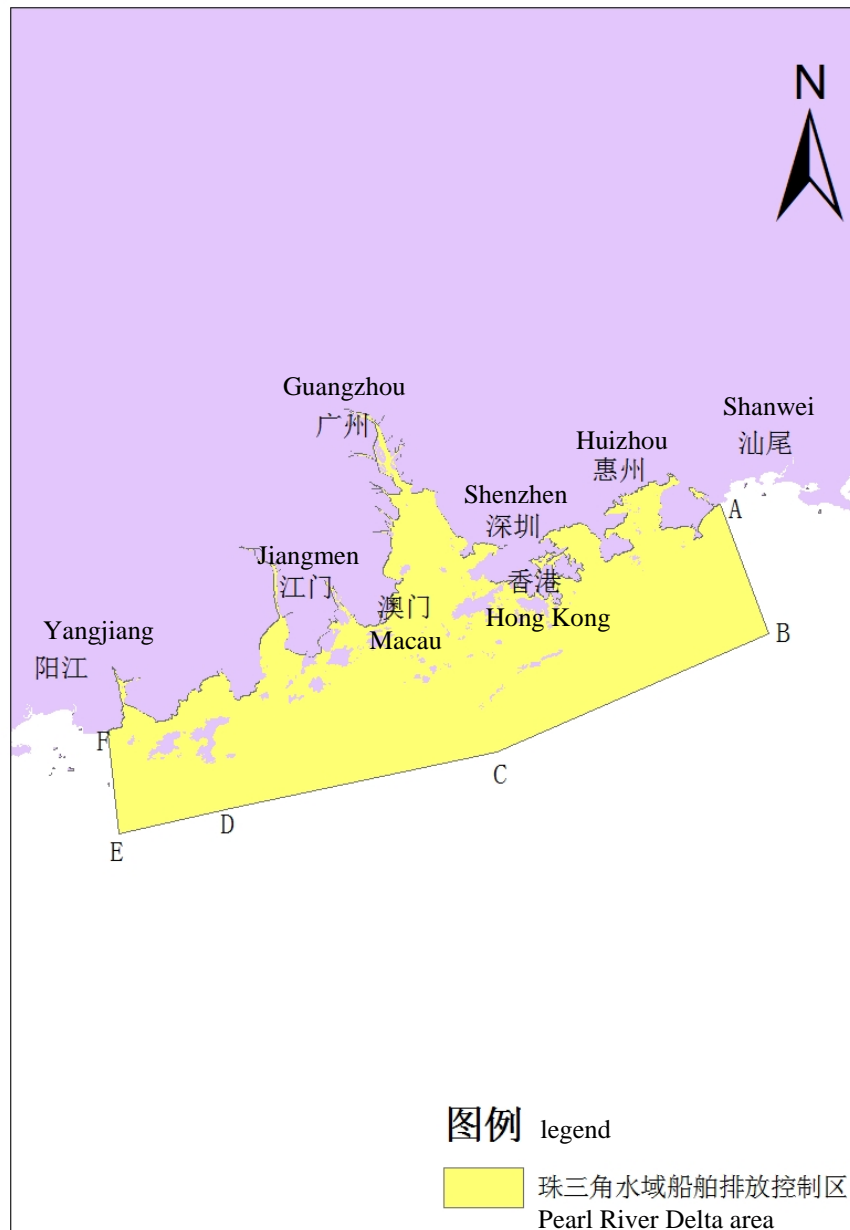
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Attachment:

1. Designated emission control areas and their respective core ports

Attachment 1. to
ClassNK Technical Information No. TEC-1060

1. Pearl River Delta emission control area



Note: Waters under the jurisdiction of Hong Kong and Macau are excluded

The sea boundaries, inland water range and core port areas of the Pearl River Delta waters

- Sea boundaries

The line connecting the following A-F (The places referred for defining the points B-E are baseline points of the Chinese territorial sea)

- A. The mainland coastline junction point of Huizhou and Shanwei
- B. The point 12 nautical miles away from Zhengtouyan
- C. The point 12 nautical miles away from the Jiapeng Islands
- D. The point 12 nautical miles away from Weijia Island
- E. The point 12 nautical miles away from Dafanshi Island
- F. The mainland coastline junction point of Jiangmen and Yangjiang

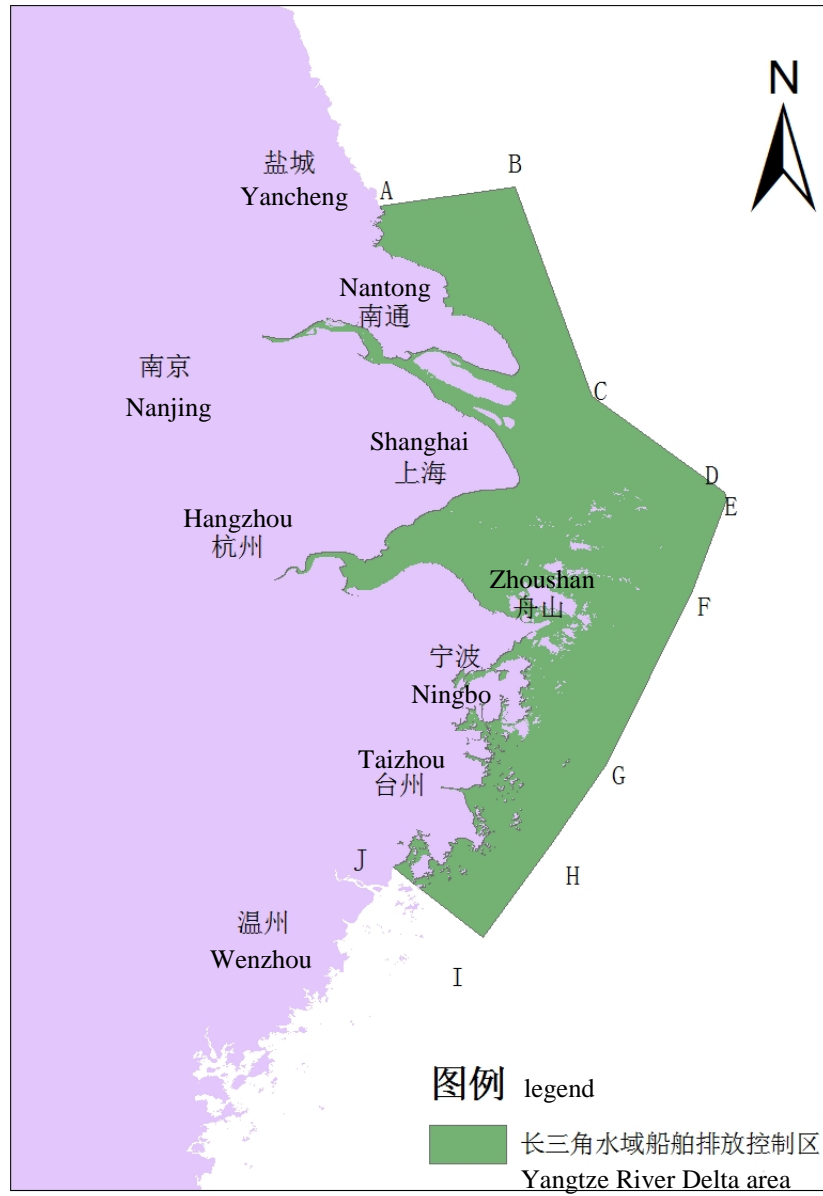
- Inland water range

All navigable rivers under the jurisdiction of the cities of Guangzhou, Dongguan, Huizhou, Shenzhen, Zhuhai, Zhongshan, Foshan, Jiangmen and Zhaoqing.

- Core ports

Guangzhou, Shenzhen and Zhuhai

2. The Yangtze Delta emission control area



The sea boundaries, inland water range and core port areas of the Yangtze Delta waters

- Sea boundaries

The line connecting the following A-J (The places referred for defining the points B-H are baseline points of the Chinese territorial sea)

- A. The mainland coastline junction point of Nantong and Yancheng
- B. The point 12 nautical miles away from Waikojiao Island
- C. The point 12 nautical miles away from Sheshan Island
- D. The point 12 nautical miles away from Haijiao
- E. The point 12 nautical miles away from Dongnanjiao
- F. The point 12 nautical miles away from Liangxiongdiyu
- G. The point 12 nautical miles away from the Yushan Islands
- H. The point 12 nautical miles away from the Taizhou Islands (2)
- I. The point 12 nautical miles away from the mainland coastline junction point of Taizhou and Wenzhou
- J. The mainland coastline junction point of Taizhou and Wenzhou

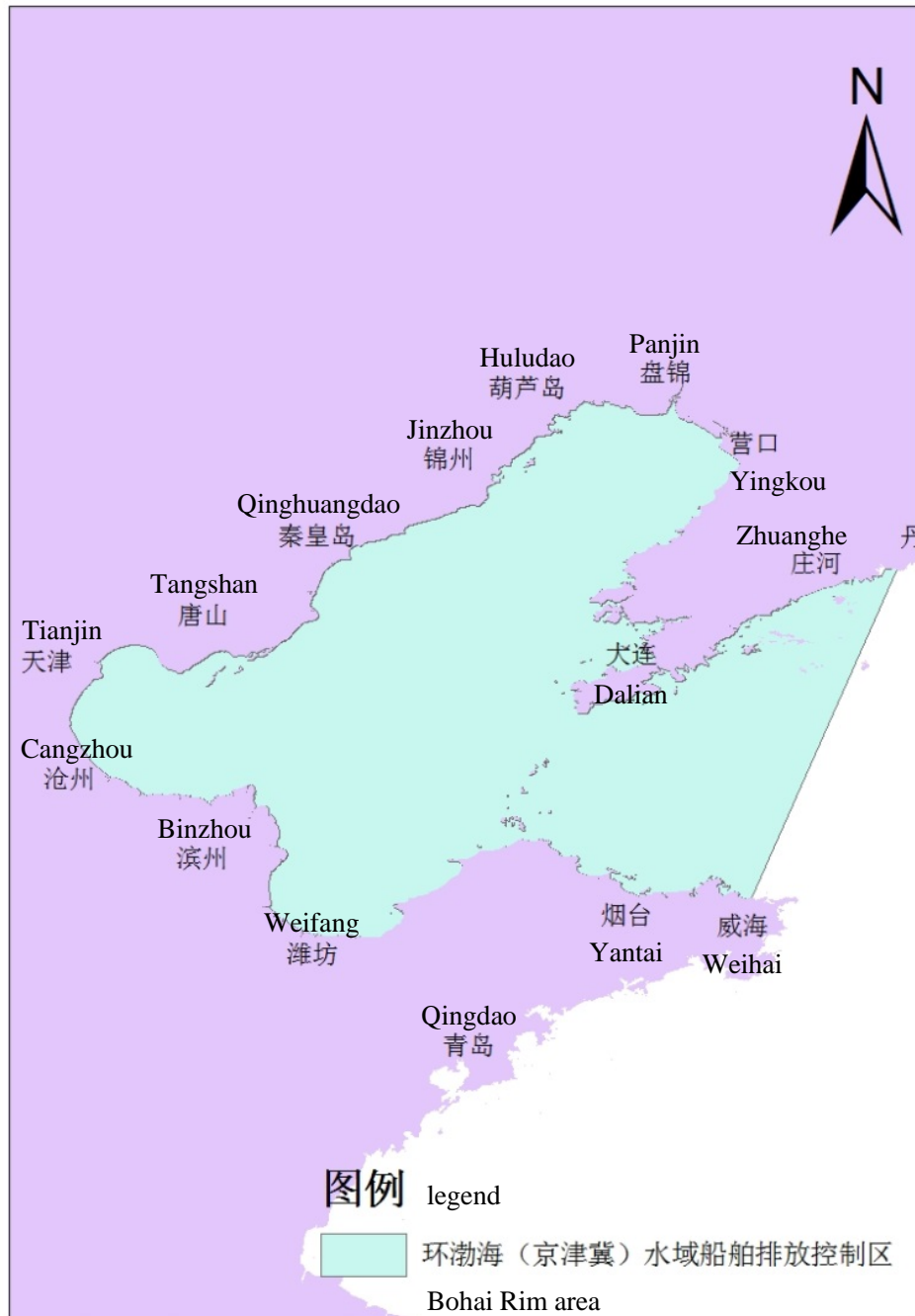
- Inland water range

All navigable rivers under the jurisdiction of the cities of Nanjing, Zhenjiang, Yangzhou, Taizhou(Zhejiang), Nantong, Changzhou, Wuxi, Suzhou, Shanghai, Jiaxing, Huzhou, Hangzhou, Shaoxing, Ningbo, Zhoushan and Taizhou(Jiangsu).

- Core ports

Shanghai, Ningbo-Zhoushan, Suzhou and Nantong

3. The Bohai Rim emission control area



The sea boundaries, inland water range and core port areas of the Bohai Rim waters

- Sea boundaries

The line connecting the two mainland coastline junction points; Dalian and Dandong, Yantai and Weihai

- Inland water range

All navigable rivers under the jurisdiction of the cities of Dalian, Yingkou, Panjin, Jinzhou, Huludao, Qinhuangdao, Tangshan, Tianjin, Cangzhou, Bingzhou, Dongying, Weifang and Yantai.

- Core ports

Tianjin, Qinhuangdao, Tangshan and Huanghua