

M/s Private Authorised Boiler
Inspectors

Dear Sir

Requirement of Gas Train for Steam Boilers (or furnace) Using Natural Gas

It has recently come to the Occupational Safety Department's attention that some occupiers and owners of steam boilers (or furnaces) had converted their steam boilers (or furnaces) to run on natural gas (or on dual fuel firing with gas).

2. Please note that if the conversion to use gas is not carried out properly, it could lead to the explosion of the furnace of the steam boiler.

3. Please note that steam boilers (or furnaces) firing on natural gas should be fitted with a gas train that was designed to comply with the British Standards BS 5885. Other international standards providing the same (or higher) level of safety may be used subject to the approval of the Chief Inspector.

4. All Authorised Boiler Inspectors inspecting boilers using gas are required to ensure that the gas train layout complies with the attached guide and that the components are tested accordingly to verify that they are functioning properly.

5. The Authorised Boiler Inspector is to state that the gas train has been inspected and tested in the "Observation" portion of the report for examination of gas-fired boilers.

Yours faithfully

YEONG CHARK SUNG
for CHIEF INSPECTOR OF FACTORIES

Date of Issue	Classification:	Circular No:	CIF A32.4.2
25 Jun 2003	Pressure Vessels - PABI	OSD/ ENG CIR / PV 02/03	Page 1 of 1

M/s PABIs

Dear Sir

COMPLIANCE OF STEAM PIPING TO ASME B 31.1

All steam piping used In connection with any steam boiler or steam receiver must be designed, fabricated and installed in compliance with American Society of Mechanical Engineers code ASME B31.1. A steam piping guide is attached for your reference.

2. All Authorised Boiler Inspectors are to ensure that all attached steam piping meet the above requirements when inspecting steam boilers or steam receivers in factories for the purpose of registration in Singapore.
3. The Authorised Boiler Inspector is to indicate in the report of examination that he has ensured that the attached steam piping meets the above requirements by entering "Installation inspection" (Test type "I") and the remark "Steam piping installation inspected" in the "Observation" portion of the report, for new registration of steam boilers and steam receivers.
4. If the Authorised Boiler Inspector is engaged to survey the steam piping installation, he is expected to carry out the survey in accordance to the requirements stipulated in the attached steam piping guide and to issue a full report on the survey in compliance with the said guide.

Yours faithfully

YEONG CHARK SUNG
for CHIEF INSPECTOR OF FACTORIES

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25 Jun 2003	Pressure Vessels - PABI	OSD/ ENG CIR / PV 01/03	Page 1 of 1